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A Table of Radiation Characteristics for Uniformly Spaced Optimum Endfire Arrays With Equal Sidelobes

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A Table of Radiation Characteristics for Uniformly Spaced Optimum Endfire Arrays With Equal Sidelobes

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National Bureau of Standards
Boulder, Colorado

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A TABLE OF RADIATION CHARACTERISTICS FOR UNIFORMLY SPACED OPTIMUM ENDFIRE ARRAYS WITH EQUAL SIDELOBES

M. T. Ma and D. C. Hyovalti

Numerical results, in table form, on the required phases, the directive gain, the current excitations, the location of all the sidelobes and nulls, and the beamwidths for uniformly spaced optimum endfire arrays with equal sidelobes are given. A total number of elements of 3 through 15 and then 20, 25, and 30 with varying sidelobe levels of 10, 15, 20, 25, 30, 40, and 50 dB below the main beam is considered.

Key Words: Theory, antenna array, endfire, optimum, directive gain, sidelobe, excitation, phase, beamwidth.

1. Introduction

In a recent paper [Ma, 1965], the mathematical formulation for uniformly spaced optimum endfire arrays with equal sidelobes was presented. Numerical results on the directive gain, the beamwidths, the current excitations, and the required phases for an array of 3 through 7 elements with a sidelobe level of -20 dB were also given there. The purpose of this monograph is to extend the numerical results, in table form, for a total number of elements up to 30 with varying sidelobe levels of 10, 15, 20, 25, 30, 40, and 50 dB below the main beam. More curves showing detailed relationships among important radiation characteristics are added. For completeness and reader's convenience, an outline of the necessary mathematics is also included. For discussions and details the reader is referred to the previous paper [Ma, 1965].

2. Necessary Mathematics

It was previously shown [Ma, 1965] that a linear array of n equispaced isotropic elements with uniformly progressive phase as given in figure 1 can be mathematically represented by a polynomial, P(y), for the power, where y is defined in (3).

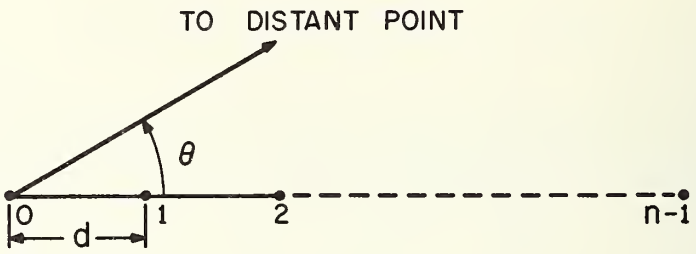


Figure 1. A linear array of n equispaced isotropic elements.

For arrays producing the maximum possible number of physical nulls in the visible region ($0 \le \theta \le \pi$), P(y) takes, respectively, the following forms, depending on whether n is odd or even:

$$P_0(y) = \prod_{k=1}^{\frac{n-1}{2}} (y+b_k)^2 \qquad \text{for odd } n, \tag{1}$$

or

$$P_e(y) = (y+2) \prod_{k=1}^{\frac{n-2}{2}} (y+b_k)^2 \quad \text{for even } n, \tag{2}$$

with nulls given by $y = -b_k$ and $y = -2$ (for even n only), where all b_k are real and distinct, $|b_k| < 2$, and

$$y = 2\cos(\beta d \cos\theta + \alpha) \tag{3}$$

In (3), $\beta = 2\pi/\lambda$ is the phase constant with λ representing the free space wavelength and α is the progressive phase lead of the element excitations along the array. The corresponding array polynomials are, respectively,

$$E_0(z) = \sum_{k=0}^{n-1} a_k z^k = \prod_{k=1}^{\frac{n-1}{2}} (1+b_k z + z^2) \qquad \text{for odd } n, \tag{4}$$

and

$$E_e(z) = \sum_{k=0}^{n-1} a_k z^k = (1+z) \prod_{k=1}^{\frac{n-2}{2}} (1+b_k z + z^2) \quad \text{for even } n, \tag{5}$$

where z is related to y in (3) by $y = z + z^{-1}$. The excitation coefficients a_k required for all the elements can then be determined by expanding the products in (4) or (5).

For arrays having all the sidelobes equal in level, the locations of nulls ($y = -b_k$) and sidelobes ($y = y_\ell$) are related in a special manner, where

$$2 > (-b_1) > y_1 > (-b_2) > y_2 > \ldots > y_{\frac{n-3}{2}} > (-b_{\frac{n-1}{2}}) > (-2) \quad \text{for odd } n, \tag{6}$$

and

$$2 > (-b_1) > y_1 > \ldots > y_{\frac{n-2}{2}} > (-2) \qquad \text{for even } n. \tag{7}$$

The parameters b_k in (1) or (2), the corresponding excitation coefficients a_k in (4) and (5), and the location of sidelobes can be uniquely determined once a desired sidelobe level relative to the main beam $[P(2)/P(y_1)]$ or a desired first null location $(-b_1)$ is specified.

After a power polynomial P(y) is determined, the directive gain of the array, under the ordinary endfire condition ($\alpha = -\beta d$), can be calculated as:

$$g = \frac{2\beta d\, P(0)}{W_o}, \tag{8}$$

where

$$W_o = \int_0^{y_b} \frac{P(y)}{\sqrt{4-y^2}}\, dy, \tag{9}$$

$$y_b = 2 \cos(-2\beta d) \tag{10}$$

It has been known that such an ordinary endfire array will yield an optimum relation between the beamwidth and the sidelobe level provided that $d \geq d^*$, were d^* is related to y^* by $y^* = 2 \cos(-2\beta d^*)$ such that $P(y^*) = P(y_1)$. For $d < d^*$, some of the sidelobes will be shifted into the "invisible region," making the resultant radiation characteristics non-optimum. To improve the result when $d < d^*$, an optimum endfire condition on α, together with a linear transformation of variable such as

$$y' = k_1 y + k_2 , \tag{11}$$

was suggested before so that the final radiation pattern still has the maximum number of sidelobes of equal level. The geometrical meaning of (11) was explained fully in the previous paper [Ma, 1965]. The phase α and the parameters k_1 and k_2 required to produce an optimum endfire array once a $d < d^*$ is specified, can be calculated by the following equations:

$$\tan\frac{\alpha}{2} = \frac{2-\sqrt{2+y^*}}{2+\sqrt{2+y^*}} \tan\frac{\beta d}{2} , \tag{12}$$

$$k_1 = -\sin^2\left(\frac{\alpha}{2} + \frac{\beta d}{2}\right) < 0, \tag{13}$$

$$k_2 = 2(1 + k_1) = 2\cos^2\left(\frac{\alpha}{2} + \frac{\beta d}{2}\right) > 0, \tag{14}$$

where

$$y^* = 2\left(1 - b_{(n+1)/4}\right), \text{ for } n \text{ odd and } (n-1)/2 \text{ odd};$$

$$y^* = 2\left(1 + y_{(n-1)/4}\right), \text{ for } n \text{ odd and } (n-1)/2 \text{ even}; \tag{15}$$

or

$$y^* = 2 + y_1 - b_{(n-2)/2} \quad \text{for n even.}$$

From (12) it can be concluded that α is always located somewhere in the first quadrant in order to make the pattern of an endfire array optimum when $d < d^*$. Note that (12) also holds true when $d = d^*$ and yields $\alpha^* = \pi - \beta d^* > 0$. There seems to be a phase discontinuity of π as compared with the phase required by the ordinary endfire condition. This extra phase of π is actually taken care of by (13) and (14) since $k_1 = -1$ and $k_2 = 0$ for the case of $d = d^*$. For detailed discussions on this, see the previous paper [Ma, 1965].

From (11) one has

$$y = k_1^{-1} (y' - k_2). \tag{16}$$

If (16) is substituted into (1) and (2), the power polynomial becomes, respectively,

$$Q_o(y') = k_1^{-(n-1)} \prod_{k=1}^{\frac{n-1}{2}} (y' + b_k')^2 \quad \text{for odd n,} \tag{17}$$

$$Q_e(y') = k_1^{-(n-1)} (y' - 2) \prod_{k=1}^{\frac{n-2}{2}} (y' + b_k')^2$$

$$= \left| k_1^{-(n-1)} \right| (2 - y') \prod_{k=1}^{\frac{n-2}{2}} (y' + b_k')^2 \quad \text{for even n,} \tag{18}$$

where

$$b_k' = k_1 b_k - k_2 \ . \tag{19}$$

Note that the second form of (18) is due to the fact that $k_1 < 0$ and $k_1^{-(n-1)} < 0$ for an even n. It is clear from this second form that $Q_e(y') \geq 0$ for all physical values of y' as it should be for a realizable power polynomial. Note that $y' = 2 \cos(\beta d + \alpha)$ (or $\theta = 0$) is now the location of the main lobe for both of these transformed endfire arrays.

3. Numerical Results

Based on (17) and (18), the corresponding array polynomial becomes, respectively,

$$E'_o(z) = \sqrt{k_1^{-(n-1)}} \prod_{k=1}^{\frac{n-1}{2}} (1 + b'_k z + z^2) \qquad \text{for odd n,} \tag{20}$$

$$E'_e(z) = \sqrt{|k_1^{-(n-1)}|}\ (1 - z) \prod_{k=1}^{\frac{n-2}{2}} (1 + b'_k z + z^2) \quad \text{for even n.} \tag{21}$$

A new set of excitation coefficients required for synthesizing the optimum endfire array can be determined by expanding (20) or (21). Using (19) and noting the signs of k_1 and k_2 in (13) and (14), one can see the fact of alternating signs to be associated with the final excitation coefficients as clearly shown in figure 6.

The directive gain (G), the null locations (θ_j), the sidelobe locations (θ_m), and the half-power point (θ_h) can be calculated, respectively, from:

$$G = \frac{2\beta d\, Q\,(y'a)}{W'_o} \quad , \tag{22}$$

$$-b_i' = 2 \cos (\beta d \cos \theta_j + \alpha), \tag{23}$$

with

$i = 1, 2, \ldots, k$
$j = 2i - 1$, and $4k - 2i + 1$ for odd n $(= 2k + 1)$,

$i = 1, 2, \ldots, k + 1$ $(-b'_{k+1} = 2)$
$j = 2i - 1$, and $4k - 2i + 3$ for even n $(= 2k + 2)$,

$$y_\ell' = 2 \cos (\beta d \cos \theta_m + \alpha), \tag{24}$$

with

$\ell = 1, 2, \ldots, k$ $(y'_k = 2)$,
$m = 2\ell$, and $4k - 2\ell$ for odd n $(= 2k + 1)$,

$\ell = 1, 2, \ldots, k$
$m = 2\ell$, and $4k - 2\ell + 2$ for even n $(= 2k + 2)$,

and

$$y_h' = 2 \cos (\beta d \cos \theta_h + \alpha), \tag{25}$$

where

$$W_o' = \int_{y_a'}^{y_b'} \frac{Q(y')}{\sqrt{4 - y'^2}} \, dy' ,$$

$$y_b' = 2 \cos (-\beta d + \alpha),$$

$$y_a' = 2 \cos (\beta d + \alpha),$$

and y_h' is determined by

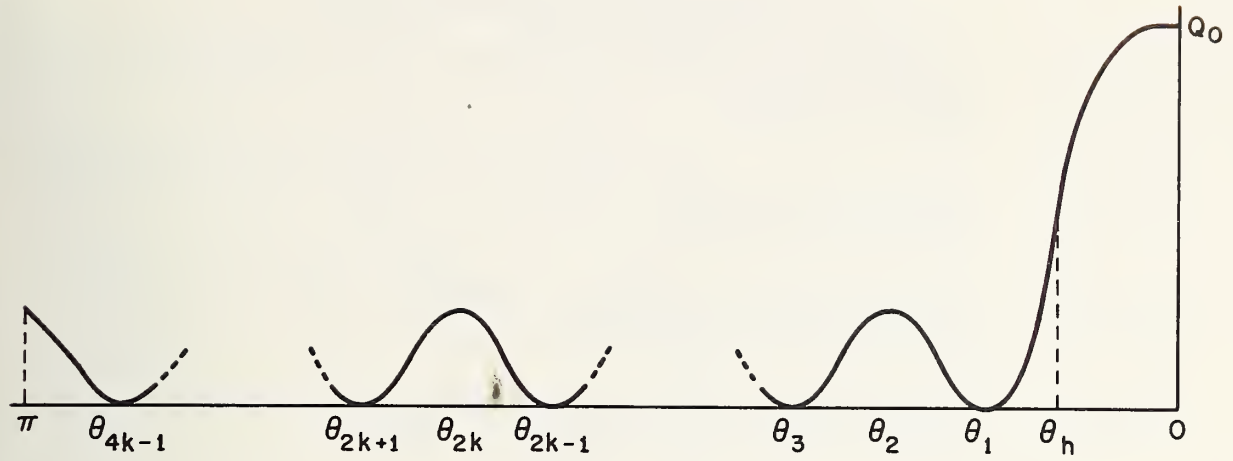
$$Q(y_h') = \tfrac{1}{2} Q(y_a'). \tag{26}$$

Equations (23), (24), and (25) are so expressed that the final power pattern of an endfire array, in terms of θ, will appear as shown in figure 2 It is clear that the first null beamwidth and the half-power beamwidth are, respectively, $2\theta_1$ and $2\theta_h$. Numerical results for n = 3 through n = 15 and then 20, 25, and 30 with varying sidelobe levels of 10, 15, 20, 25, 30, 40, and 50 dB below the main lobe are given in the table.

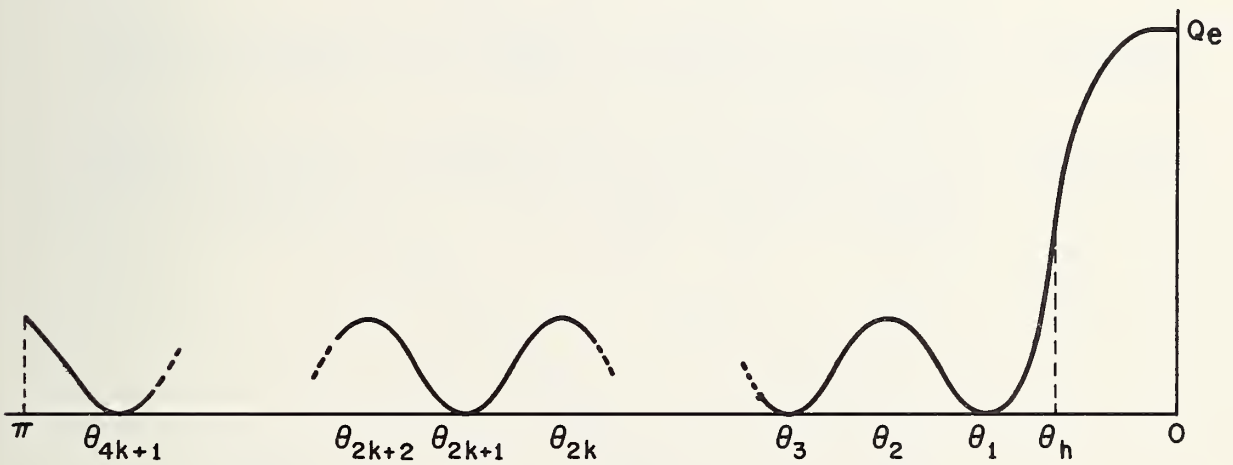
Typical curves clearly showing the detailed relationships among the important quantities (G, d, n, α, sidelobe level, etc.) are given in figures 3 through 10. For comparison, the corresponding directivities, for various d, if the ordinary endfire condition $-\alpha = \beta d$ is used throughout, are also included in figure 3 as the dashed curves for n = 3 through n = 7. The points marked with * on the dashed curves are those when $d = d^*$. The limiting characteristics when $d \to 0$ are also shown in figures 3, 4, 5, and 6 for n = 3, 4, and 5.

4. Reference

Ma, M. T. (September, 1965), The directivity of uniformly spaced optimum endfire arrays with equal sidelobes, Radio Sci., J. Res. NBS 69D, No. 9.



(a)



(b)

Figure 2. Sketch of a power pattern for an optimum endfire array with equal sidelobes (a) odd n, (b) even n.

5. Some Representative Figures

Figure 3. Directivities for optimum endfire arrays with equal sidelobes (-20 dB).

Figure 4. Directivities in dB for optimum endfire arrays with equal sidelobes (-20 dB).

Figure 5. Beamwidths in degrees for optimum endfire arrays with equal sidelobes (-20 dB).

Figure 6. Excitation coefficients (relative to a_0) for optimum endfire arrays with equal sidelobes (-20 dB).

Figure 7. Phases in radians (as a function of element spacing) required for optimum endfire arrays with equal sidelobes (-20 dB).

Figure 8. Phases in radians (as a function of sidelobe level) required for optimum endfire arrays with equal sidelobes (n = 15).

Figure 9. Directive gain in dB as a function of sidelobe level for optimum endfire arrays with equal sidelobes (n = 5).

Figure 10. Directive gain in dB as a function of sidelobe level for optimum endfire arrays with equal sidelobes ($d = 0.05\ \lambda$).

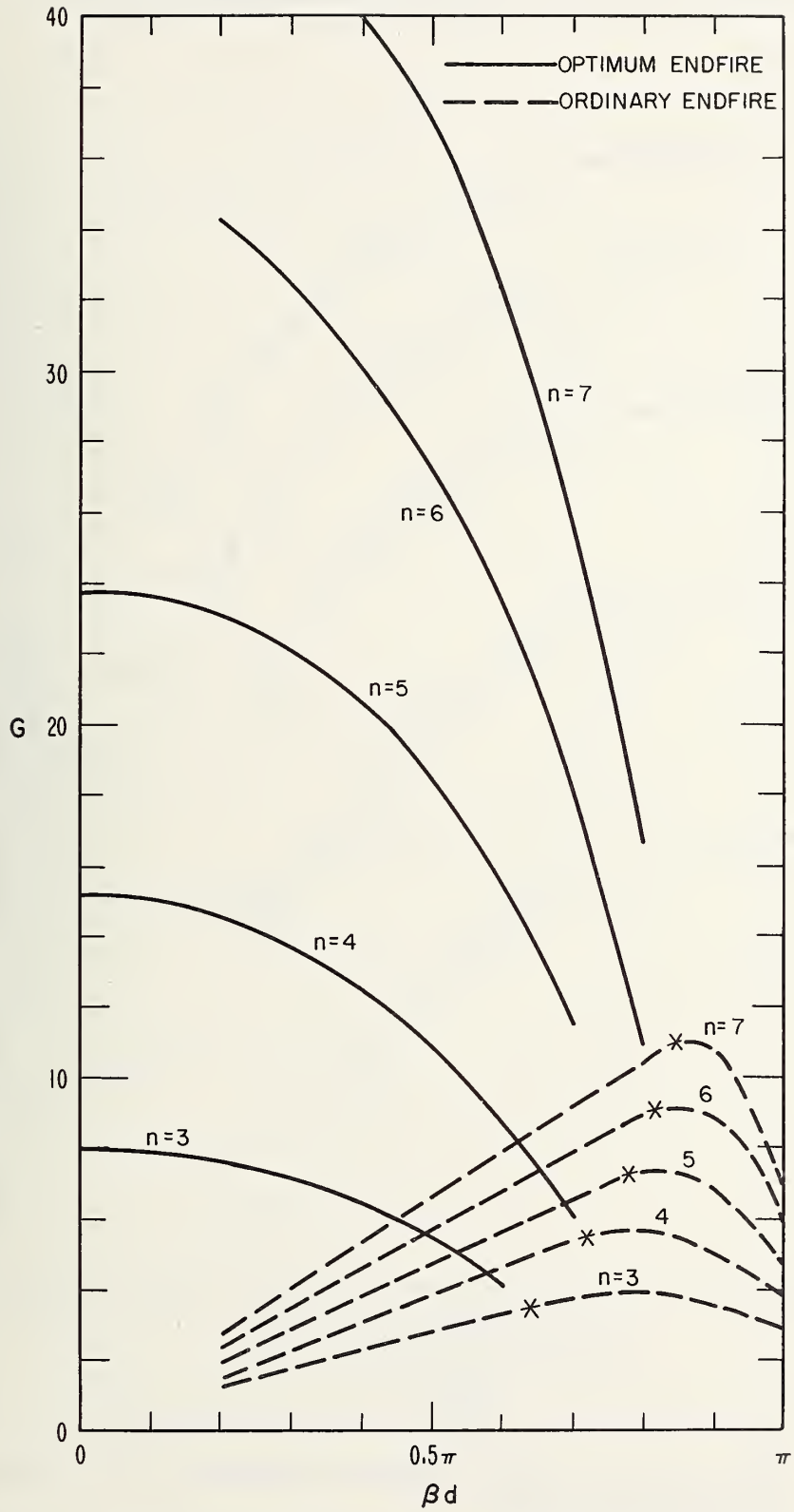


Figure 3. Directivities for optimum endfire arrays with equal side-lobes (-20 dB).

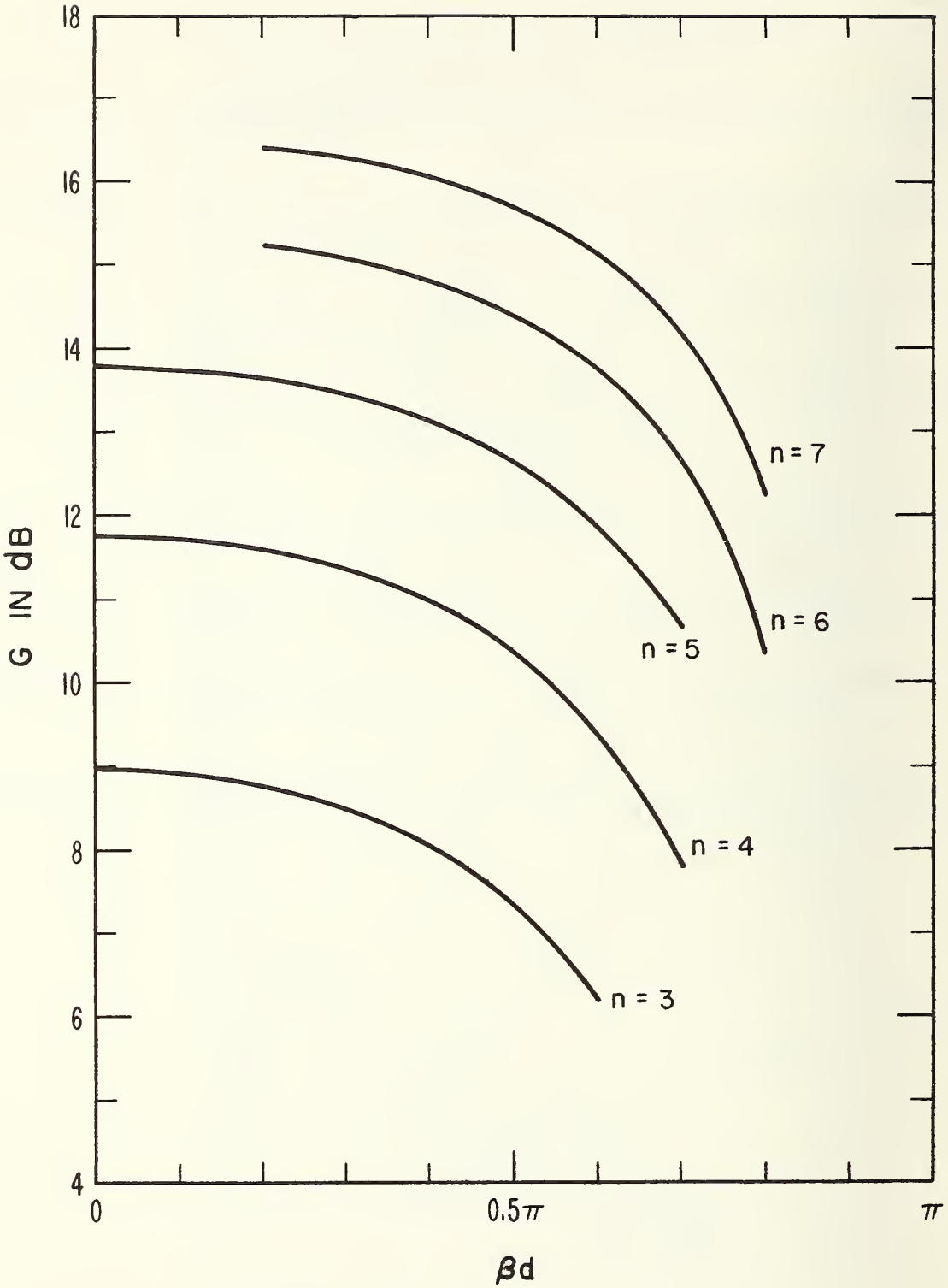


Figure 4. Directivities in dB for optimum endfire arrays with equal sidelobes (-20 dB).

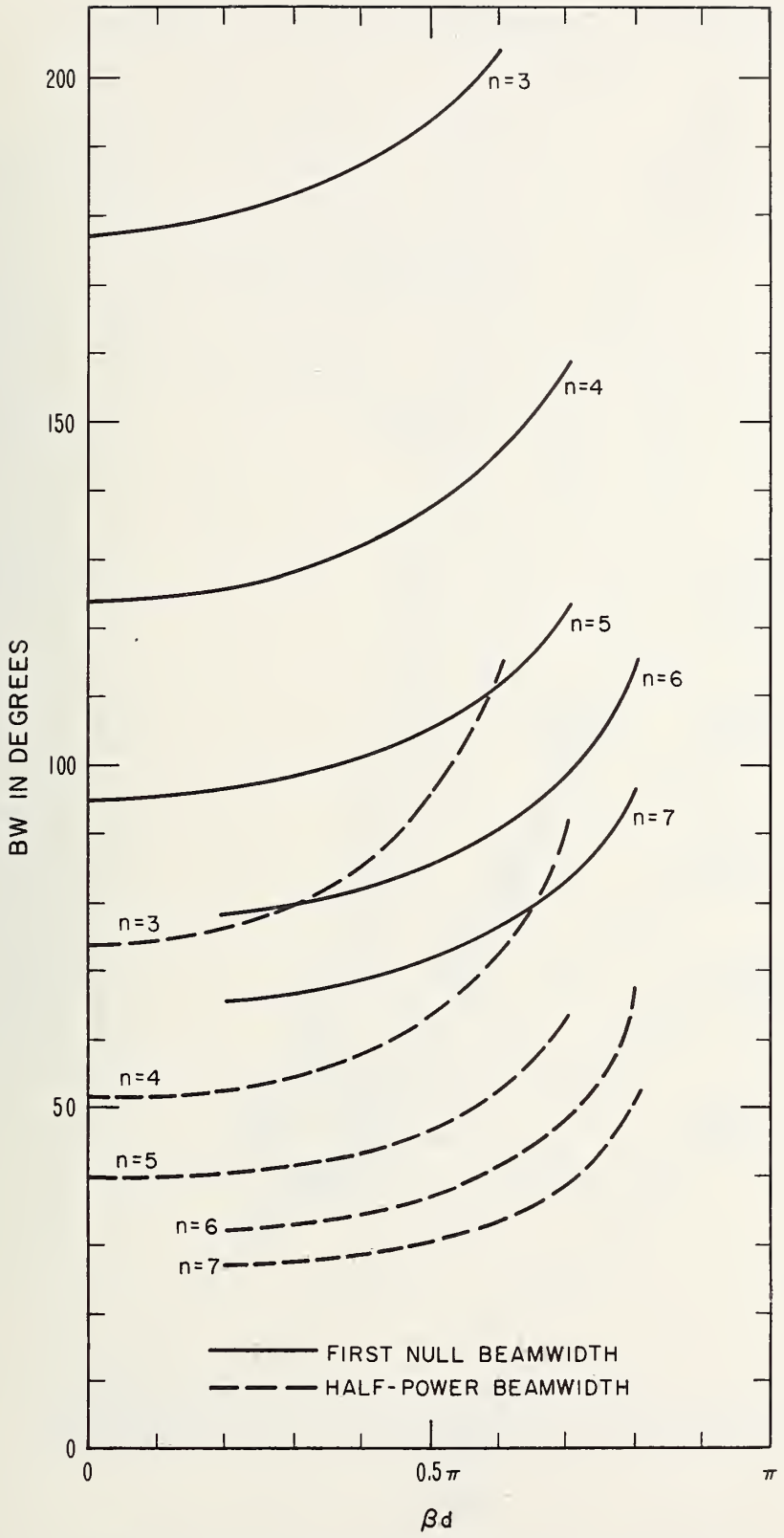


Figure 5. Beamwidths in degrees for optimum endfire arrays with equal sidelobes (-20 dB).

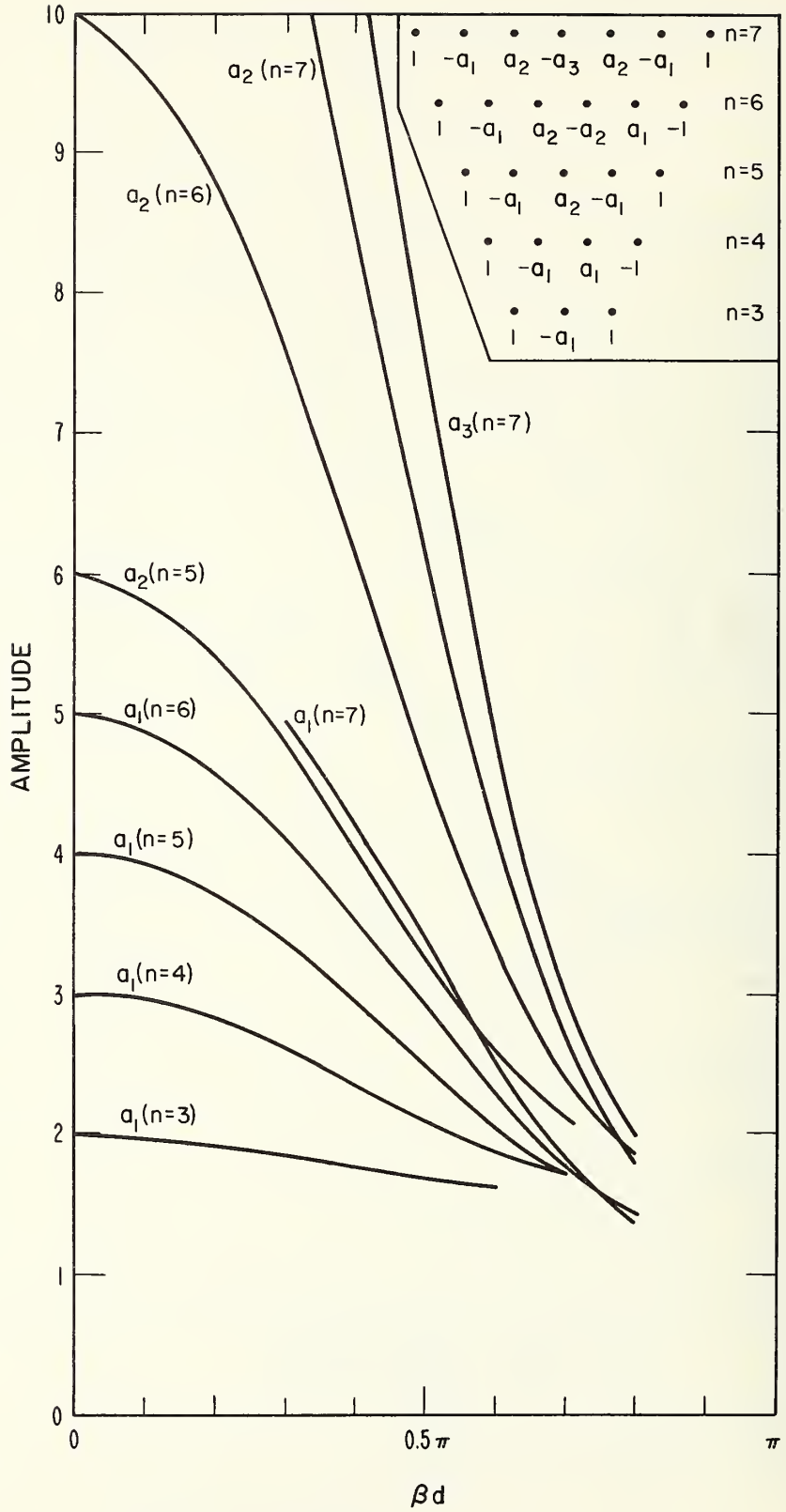


Figure 6. Excitation coefficients (relative to a_o) for optimum end-fire arrays with equal sidelobes (-20 dB).

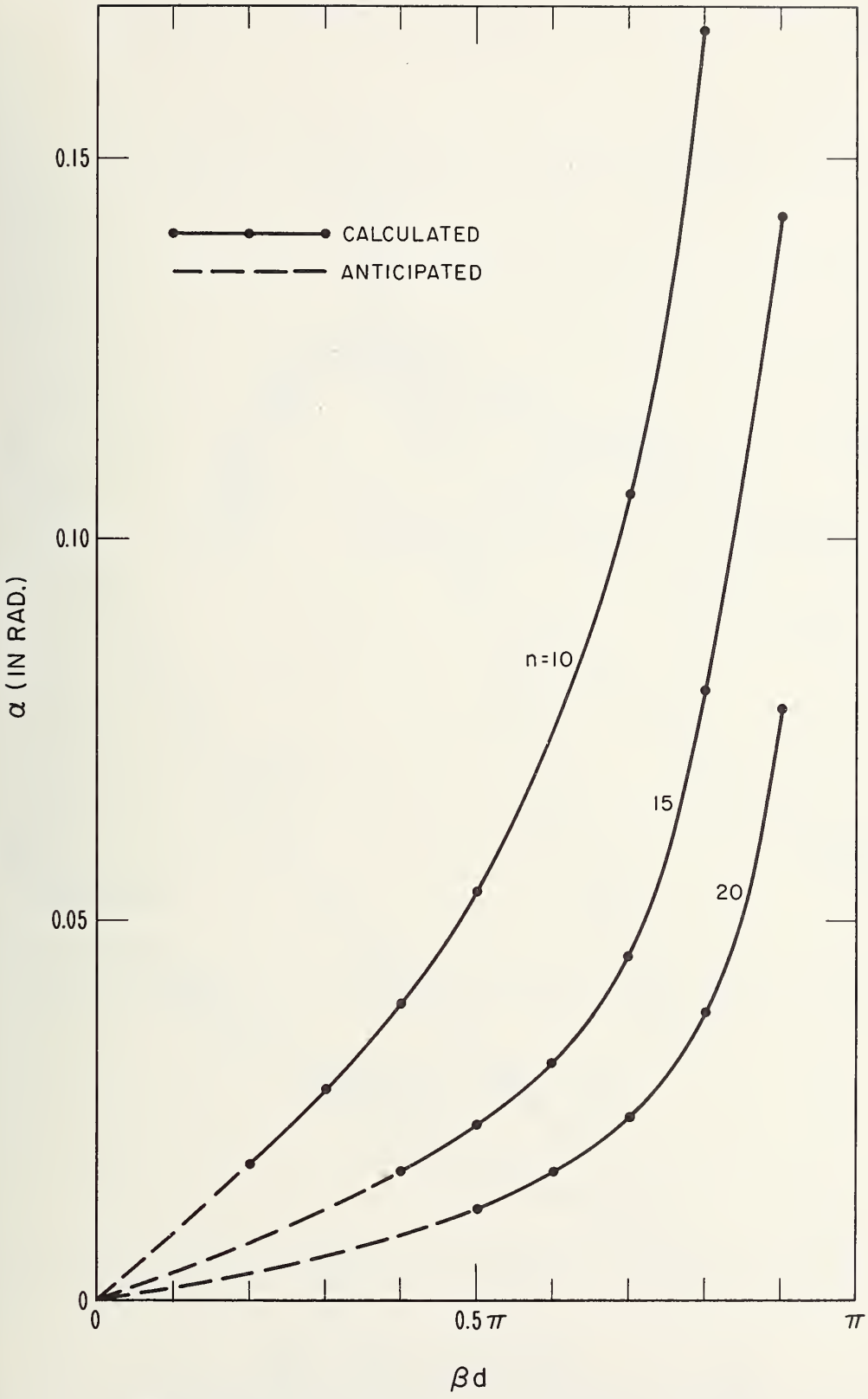


Figure 7. Phases in radians (as a function of element spacing) required for optimum endifre arrays with equal sidelobes (-20 dB).

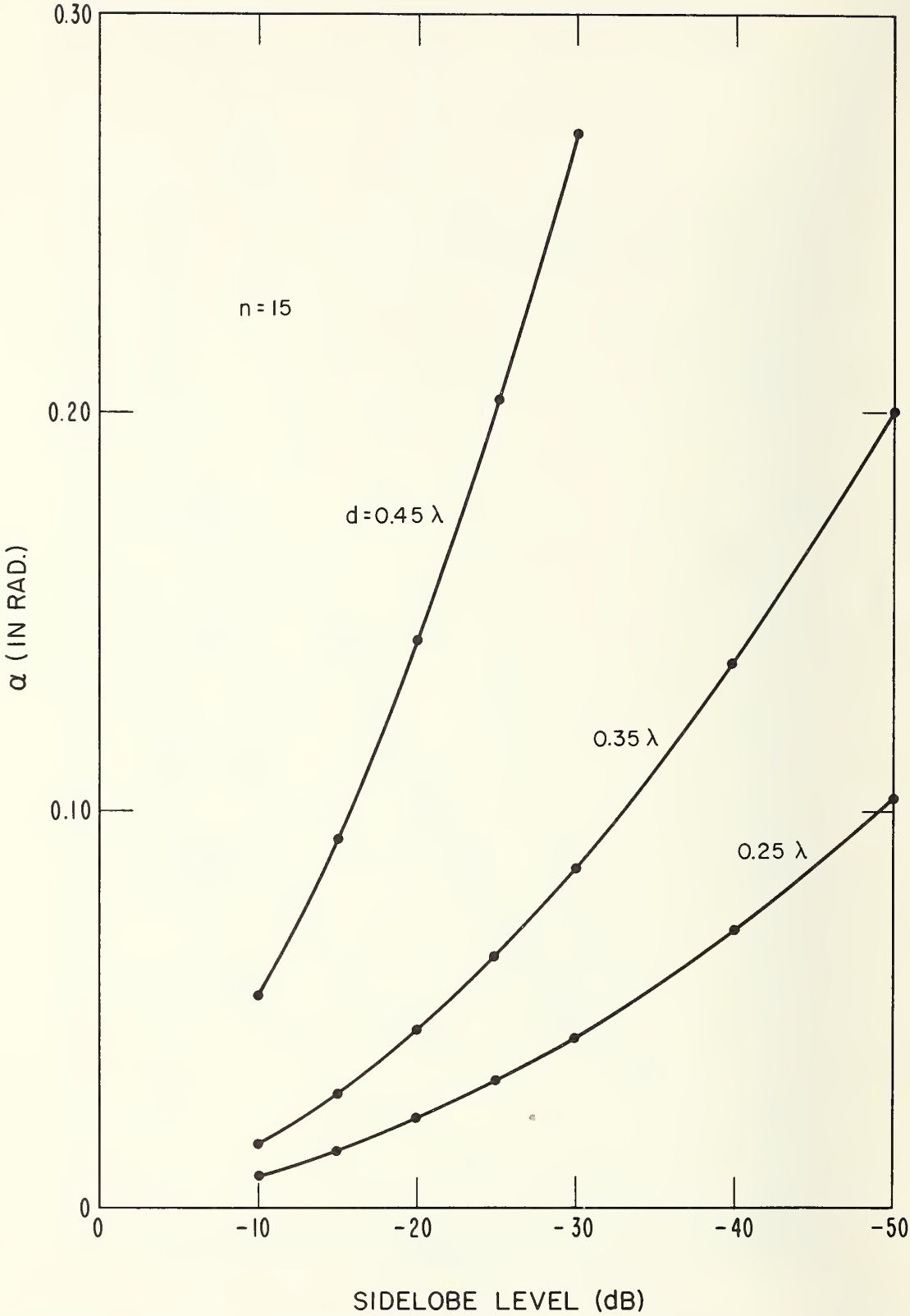


Figure 8. Phases in radians (as a function of sidelobe level) required for optimum endfire arrays with equal sidelobes (n = 15).

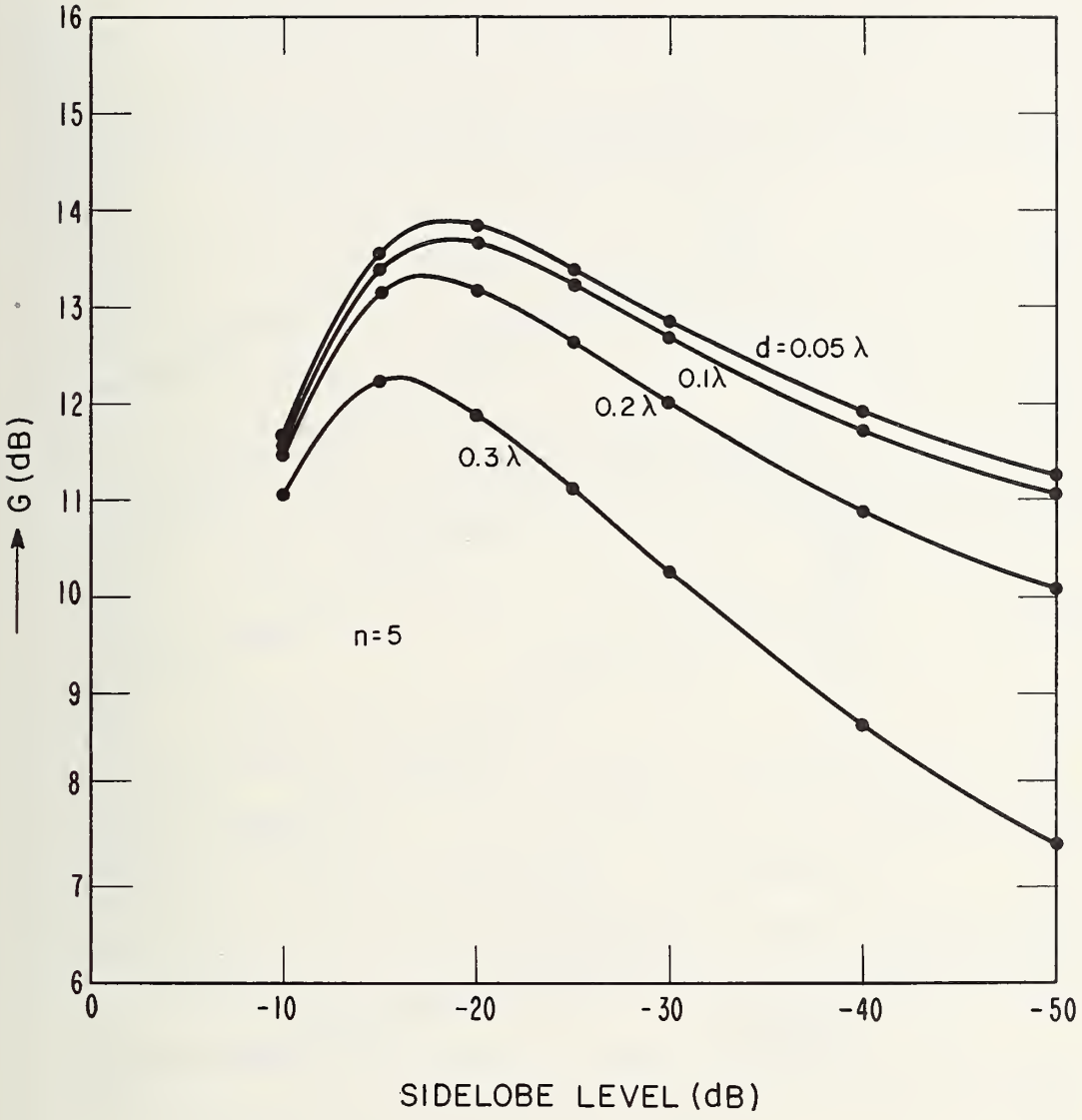


Figure 9. Directive gain in dB as a function of sidelobe level for optimum endfire arrays with equal sidelobes (n = 5).

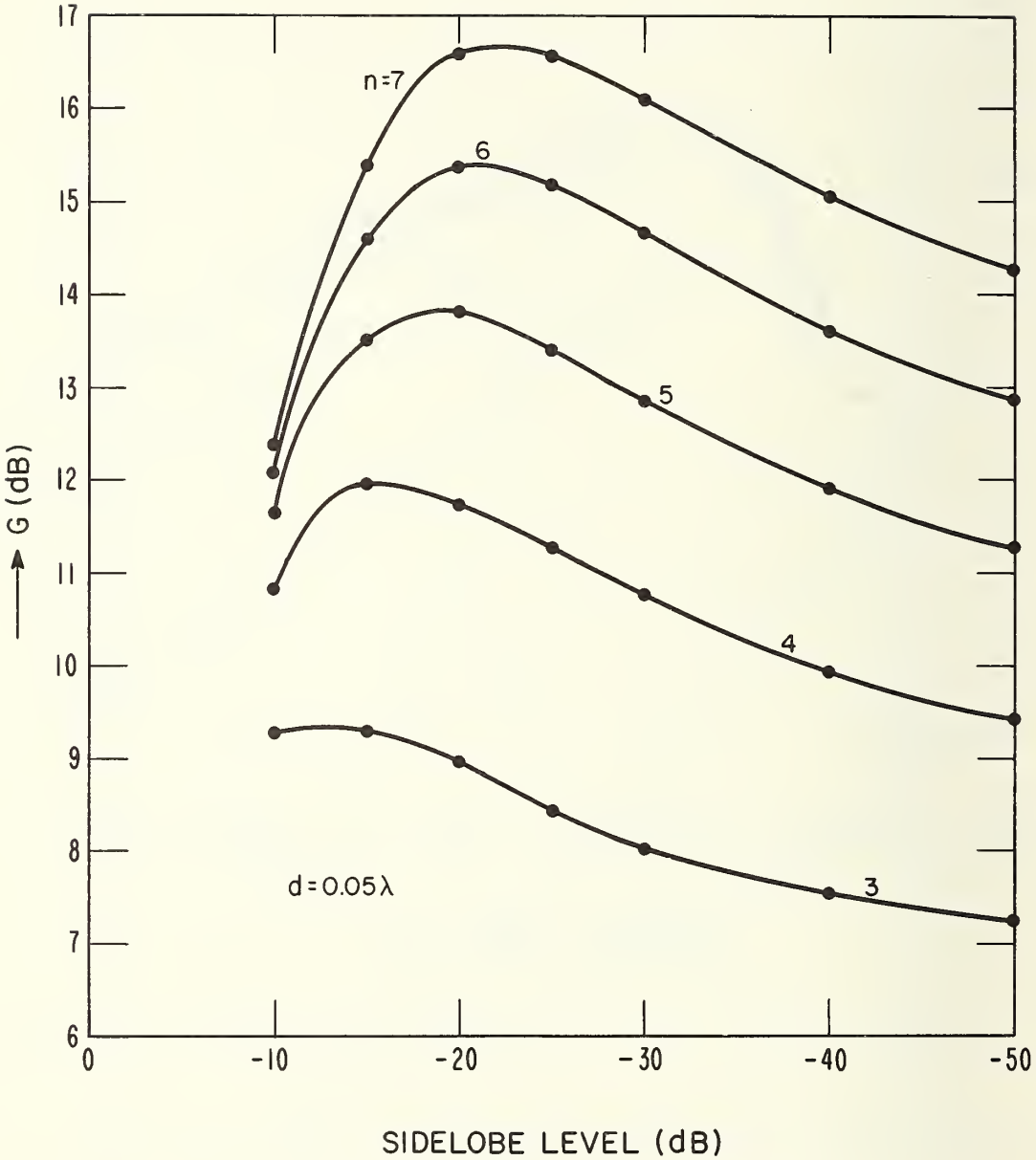


Figure 10. Directive gain in dB as a function of sidelobe level for optimum endfire arrays with equal sidelobes (d = 0.05 λ).

6. The Table

Based on the preceding outlines for optimum endfire arrays of isotropic elements with equal sidelobes, this table gives calculated values of the following, for each number of element (printed in the table as N) and a sidelobe level (printed as DB) (both on Row 1), as a function of βd (Row 2) or d/λ (Row 3):

phase, α, in radians (printed as ALPHA, Row 4) using (12),

directivity, G, as a number (Row 5) using (22),

directivity in dB [printed as G(DB), Row 6] using 10 log G,

normalized excitation coefficients, a_i [printed as A(i), i = 1, 2, ... starting Row 7] using (20) or (21) depending on whether n is odd or even. The total number of rows for a_i depends on how large n is. The arrangement for a_i has been made as (also see figure 6):

$1:(-a_1):(a_2)\ldots:(-1)^{k-1}a_{k-1}:(-1)^{k}a_{k}:(-1)^{k-1}a_{k-1}\ldots:(a_2):(-a_1):1$

for n = 2k + 1,

$1:(-a_1):(a_2)\ldots:(-1)^{k}a_{k}:[-(-1)^{k}a_{k}]\ldots:(-a_2):(a_1):(-1)$ for n = 2k + 2,

half-power angle, θ_h, in degrees (printed as THETAH, following the last row for a_i) using (25),

location of nulls and sidelobes, θ_i, in degrees [printed as THETA (i), i = 1, 2, ... with odd i representing nulls and even i for sidelobes, following the row for θ_h] using (23) and (24).

Again, the total number of rows for θ_i depends on n.

half-power beamwidth, $2\theta_h$, in degrees [printed as BW(H), following the last row for θ_i], and lastly,

first-null beamwidth, $2\theta_1$, in degrees [printed as BW(1)].

Note that the first βd counted from the left-hand side (e.g., 2.337 for N = 3 and dB = 10) is actually βd^* which is the starting point of our main interest in this monograph. The corresponding number on the next row (e.g., 0.372 for N = 3 and dB = 10) is then d^*/λ.

The calculations for this table were all done carrying eight significant digits, but for printing purposes the results were rounded to four significant digits, except for the a_i which were rounded to five significant digits. In order to verify the computed accuracy of the table, the results were checked for at least half of the βd's for each case with a double-precision program (i.e., fifteen significant digits). Note that for many cases (e.g., N = 25 and dB = 30), the number of printed columns is far less than we would expect, which is due to the obviously questionable character of the results even when using a double-precision program. Only those data where the significance of the results was clearly acceptable are presented. There should be no error of more than 1 unit in the last digit tabulated, and even an error of 1 unit should be rare. The program was also checked for accuracy by comparing a few computed values with hand calculations.

N= 3 D8= 10.

BETAD	2.337	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.372	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.805	0.683	0.488	0.358	0.262	0.184	0.117	0.057
G	4.18	4.90	6.14	6.98	7.56	7.96	8.22	8.36
G(D8)	6.22	6.90	7.88	8.44	8.79	9.01	9.15	9.22
A(1)	1.0399E 00	1.0556E 00	1.1738E 00	1.3509E 00	1.5446E 00	1.7260E 00	1.8724E 00	1.9672E 00
THETAH	54.6	48.9	40.9	36.5	33.9	32.3	31.4	30.8
THETA(1)	84.6	81.3	76.0	72.6	70.2	68.5	67.4	66.8
THETA(2)	110.1	108.1	105.0	103.2	102.0	101.3	100.8	100.5
THETA(3)	141.5	140.6	139.5	139.1	139.1	139.2	139.4	139.4
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	109.2	97.9	81.7	73.0	67.9	64.7	62.7	61.6
BW(1)	169.2	162.6	152.1	145.1	140.3	137.0	134.8	133.5

N= 4 D8= 10.

BETAD	2.569	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.409	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.573	0.521	0.337	0.237	0.173	0.126	0.088	0.056	0.027
G	5.82	6.39	8.66	9.97	10.80	11.35	11.72	11.95	12.09
G(D8)	7.65	8.06	9.37	9.99	10.33	10.55	10.69	10.78	10.82
A(1)	8.7938E-01	8.8554E-01	1.0683E 00	1.3844E 00	1.7576E 00	2.1385E 00	2.4850E 00	2.7611E 00	2.9387E 00
THETAH	43.2	40.3	30.7	26.5	24.1	22.7	21.8	21.2	20.9
THETA(1)	65.7	63.9	56.9	52.8	50.0	48.1	46.7	45.9	45.4
THETA(2)	83.4	82.1	77.1	74.2	72.1	70.6	69.6	68.8	68.4
THETA(3)	102.9	102.0	98.8	97.2	96.3	95.7	95.4	95.1	95.0
THETA(4)	124.1	123.5	121.9	121.6	121.8	122.1	122.4	122.7	122.8
THETA(5)	149.0	148.7	148.4	148.9	149.6	150.2	150.7	151.1	151.3
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	86.4	80.6	61.5	52.9	48.3	45.4	43.6	42.4	41.8
BW(1)	131.3	127.7	113.8	105.5	100.0	96.1	93.5	91.7	90.7

N= 5 D8= 10.

BETAD	2.702	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.430	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.440	0.305	0.195	0.137	0.100	0.073	0.051	0.032	0.016
G	7.19	9.56	11.66	12.79	13.48	13.94	14.24	14.43	14.54
G(D8)	8.57	9.80	10.67	11.07	11.30	11.44	11.53	11.59	11.62
A(1)	7.2482E-01	8.0967E-01	1.1610E 00	1.6480E 00	2.1993E 00	2.7543E 00	3.2563E 00	3.6553E 00	3.9117E 00
A(2)	7.9049E-01	8.9161E-01	1.3294E 00	1.9875E 00	2.8039E 00	3.7025E 00	4.5818E 00	5.3255E 00	5.8243E 00
THETAH	36.7	28.3	22.3	19.6	18.0	17.0	16.4	16.0	15.8
THETA(1)	55.2	49.4	43.7	40.3	38.0	36.4	35.4	34.7	34.3
THETA(2)	69.4	65.0	60.6	57.6	55.5	54.0	52.9	52.1	51.7
THETA(3)	84.3	81.0	77.9	75.9	74.5	73.5	72.7	72.1	71.8
THETA(4)	99.4	97.0	95.1	94.2	93.6	93.3	93.1	93.0	92.9
THETA(5)	115.1	113.5	112.8	112.9	113.2	113.6	113.9	114.2	114.4
THETA(6)	132.6	131.7	132.0	132.9	133.9	134.7	135.4	135.8	136.1
THETA(7)	153.6	153.3	154.2	155.3	156.2	156.9	157.4	157.8	158.0
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	73.4	56.5	44.6	39.1	36.0	34.1	32.8	32.0	31.6
BW(1)	110.5	98.8	87.5	80.6	76.0	72.9	70.7	69.3	68.5

N= 6 D8= 10.

BETAD	2.786	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.443	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.356	0.198	0.127	0.089	0.065	0.047	0.033	0.021	0.010
G	8.34	12.02	13.79	14.71	15.26	15.62	15.86	16.01	16.09
G(D8)	9.21	10.80	11.39	11.68	11.84	11.94	12.00	12.04	12.07
A(1)	6.0712E-01	8.0692E-01	1.2981E 00	1.9418E 00	2.6616E 00	3.3834E 00	4.0353E 00	4.5530E 00	4.8854E 00
A(2)	6.8084E-01	9.3714E-01	1.6352E 00	2.6960E 00	4.0784E 00	5.6729E 00	7.2921E 00	8.6989E 00	9.6589E 00
THETAH	32.4	21.7	17.5	15.5	14.4	13.6	13.1	12.8	12.7
THETA(1)	48.5	40.3	35.5	32.6	30.6	29.3	28.4	27.8	27.5
THETA(2)	60.6	54.2	50.0	47.2	45.1	43.7	42.6	41.9	41.5
THETA(3)	73.1	68.1	64.9	62.6	61.0	59.7	58.7	58.1	57.7
THETA(4)	85.2	81.4	79.2	77.8	76.7	75.9	75.3	74.9	74.6
THETA(5)	97.3	94.5	93.3	92.7	92.4	92.1	92.0	91.9	91.9
THETA(6)	109.8	107.9	107.6	107.8	108.2	108.6	108.9	109.1	109.3
THETA(7)	123.1	122.1	122.7	123.6	124.6	125.4	126.1	126.6	126.9
THETA(8)	138.2	138.0	139.3	140.7	142.0	143.0	143.7	144.2	144.5
THETA(9)	156.6	157.0	158.3	159.6	160.5	161.2	161.7	162.0	162.2
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	64.7	43.4	35.0	31.1	28.7	27.3	26.3	25.7	25.3
BW(1)	97.0	80.7	71.0	65.1	61.3	58.6	56.8	55.6	55.0

N= 7 08= 10.

8ETA0	2.843	2.827	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
0/LAM80A	0.452	0.450	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.299	0.283	0.139	0.089	0.062	0.045	0.033	0.023	0.015	0.007
G	9.31	9.71	13.82	15.27	16.01	16.45	16.73	16.92	17.04	17.10
G(08)	9.69	9.87	11.40	11.84	12.04	12.16	12.24	12.28	12.31	12.33
A(1)	5.1905E-01	5.2033E-01	8.4065E-01	1.4586E 00	2.2522E 00	3.1356E 00	4.0203E 00	4.8188E 00	5.4527E 00	5.8597E 00
A(2)	5.8641E-01	5.8801E-01	1.0173E 00	1.9905E 00	3.5203E 00	5.5937E 00	8.0610E 00	1.0624E 01	1.2886E 01	1.4444E 01
A(3)	6.1015E-01	6.1188E-01	1.0817E 00	2.1965E 00	4.0488E 00	6.6985E 00	1.0010E 01	1.3595E 01	1.6864E 01	1.9168E 01
THETAH	29.3	28.1	17.6	14.5	12.9	12.0	11.4	11.0	10.7	10.6
THETA(1)	43.7	43.0	34.1	29.9	27.3	25.6	24.5	23.7	23.2	23.0
THETA(2)	54.5	53.9	46.6	42.6	39.9	38.0	36.6	35.7	35.0	34.7
THETA(3)	65.4	64.9	59.1	55.8	53.4	51.6	50.2	49.3	48.6	48.2
THETA(4)	75.8	75.4	70.8	68.3	66.5	65.1	64.1	63.2	62.7	62.3
THETA(5)	85.9	85.6	82.1	80.4	79.3	78.5	77.8	77.3	77.0	76.8
THETA(6)	96.0	95.8	93.2	92.3	91.9	91.6	91.5	91.4	91.3	91.3
THETA(7)	106.3	106.1	104.4	104.3	104.6	104.9	105.3	105.6	105.8	105.9
THETA(8)	117.1	116.9	116.0	116.7	117.6	118.5	119.3	119.9	120.4	120.7
THETA(9)	128.8	128.7	128.6	130.0	131.5	132.7	133.8	134.6	135.1	135.4
THETA(10)	142.3	142.2	142.9	144.7	146.4	147.7	148.7	149.5	150.0	150.3
THETA(11)	158.8	158.8	159.8	161.4	162.7	163.6	164.2	164.7	164.9	165.1
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
8W(H)	58.5	56.3	35.2	28.9	25.8	23.9	22.7	21.9	21.4	21.1
8W(1)	87.5	86.0	68.2	59.7	54.6	51.3	49.0	47.5	46.5	45.9

N= 8 08= 10.

8ETA0	2.885	2.827	2.513	2.199	1.885	1.571	1.257	0.942	0.628
0/LAM80A	0.459	0.450	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.257	0.209	0.102	0.065	0.046	0.033	0.024	0.017	0.011
G	10.13	11.65	15.12	16.30	16.90	17.26	17.49	17.63	17.73
G(08)	10.06	10.66	11.80	12.12	12.28	12.37	12.43	12.46	12.49
A(1)	4.5193E-01	4.6971E-01	8.9404E-01	1.6324E 00	2.5724E 00	3.6167E 00	4.6619E 00	5.6051E 00	6.3537E 00
A(2)	5.1028E-01	5.3274E-01	1.1224E 00	2.3937E 00	4.4630E 00	7.3541E 00	1.0872E 01	1.4581E 01	1.7888E 01
A(3)	5.4134E-01	5.6637E-01	1.2512E 00	2.8632E 00	5.7556E 00	1.0188E 01	1.6044E 01	2.2663E 01	2.8889E 01
THETAH	26.9	23.0	14.9	12.3	11.0	10.2	9.7	9.4	9.2
THETA(1)	40.1	37.4	29.5	25.8	23.5	22.0	21.0	20.4	19.9
THETA(2)	49.9	47.7	41.0	37.2	34.6	32.8	31.5	30.6	30.1
THETA(3)	59.6	57.9	52.4	49.0	46.6	44.7	43.4	42.4	41.7
THETA(4)	68.9	67.5	63.0	60.3	58.3	56.7	55.4	54.5	53.9
THETA(5)	77.8	76.6	73.1	71.1	69.5	68.4	67.4	66.7	66.2
THETA(6)	86.5	85.5	82.8	81.5	80.5	79.8	79.3	78.9	78.6
THETA(7)	95.1	94.3	92.3	91.7	91.4	91.2	91.1	91.0	91.0
THETA(8)	103.9	103.1	102.0	102.0	102.3	102.7	103.0	103.2	103.5
THETA(9)	112.9	112.3	111.9	112.6	113.5	114.3	115.0	115.6	116.0
THETA(10)	122.5	122.1	122.4	123.7	125.1	126.3	127.3	128.1	128.6
THETA(11)	133.1	132.8	133.8	135.7	137.4	138.8	139.9	140.8	141.3
THETA(12)	145.3	145.2	146.8	148.9	150.7	152.0	153.0	153.7	154.2
THETA(13)	160.5	160.5	162.1	163.8	165.0	165.8	166.4	166.8	167.1
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
8W(H)	53.8	46.0	29.7	24.6	22.0	20.5	19.5	18.8	18.4
8W(1)	80.2	74.9	59.1	51.5	47.0	44.1	42.1	40.7	39.9

N= 9 08= 10.

8ETA0	2.916	2.827	2.513	2.199	1.885	1.571	1.257	0.942	0.628
0/LAM80A	0.464	0.450	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.226	0.161	0.079	0.050	0.035	0.026	0.019	0.013	0.008
G	10.84	13.16	16.08	17.05	17.54	17.83	18.01	18.13	18.20
G(08)	10.35	11.19	12.06	12.32	12.44	12.51	12.56	12.58	12.60
A(1)	3.9951E-01	4.4375E-01	9.5902E-01	1.8144E 00	2.8988E 00	4.1024E 00	5.3066E 00	6.3932E 00	7.2555E 00
A(2)	4.4939E-01	5.0533E-01	1.2464E 00	2.8432E 00	5.5247E 00	9.3618E 00	1.4107E 01	1.9166E 01	2.3706E 01
A(3)	4.8131E-01	5.4499E-01	1.4464E 00	3.6471E 00	7.8614E 00	1.4675E 01	2.4057E 01	3.4995E 01	4.5513E 01
A(4)	4.9229E-01	5.5868E-01	1.5181E 00	3.9514E 00	8.8016E 00	1.6944E 01	2.8539E 01	4.2448E 01	5.6124E 01
THETAH	25.0	19.4	12.9	10.7	9.6	9.0	8.5	8.2	8.0
THETA(1)	37.3	33.2	26.0	22.6	20.6	19.3	18.4	17.8	17.5
THETA(2)	46.3	43.0	36.6	32.9	30.5	28.8	27.7	26.9	26.3
THETA(3)	55.2	52.5	47.1	43.7	41.3	39.5	38.1	37.2	36.6
THETA(4)	63.6	61.4	56.9	54.0	51.8	50.1	48.8	47.9	47.2
THETA(5)	71.6	69.7	66.1	63.8	62.0	60.6	59.5	58.7	58.1
THETA(6)	79.3	77.7	74.9	73.2	71.9	70.9	70.0	69.4	68.9
THETA(7)	86.9	85.5	83.4	82.3	81.5	80.9	80.5	80.1	79.8
THETA(8)	94.4	93.3	91.8	91.3	91.1	90.9	90.8	90.8	90.8
THETA(9)	102.0	101.1	100.2	100.3	100.6	101.0	101.3	101.5	101.7
THETA(10)	109.8	109.1	108.9	109.6	110.4	111.1	111.8	112.3	112.7
THETA(11)	118.0	117.4	117.9	119.1	120.4	121.6	122.5	123.2	123.7
THETA(12)	126.8	126.4	127.5	129.3	130.9	132.3	133.4	134.3	134.9
THETA(13)	136.5	136.3	138.0	140.2	142.1	143.6	144.7	145.5	146.1
THETA(14)	147.8	147.8	150.0	152.3	154.0	155.3	156.2	156.9	157.3
THETA(15)	161.9	162.0	164.0	165.6	166.8	167.5	168.0	168.4	168.6
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
8W(H)	50.1	38.8	25.7	21.5	19.3	17.9	17.0	16.5	16.1
8W(1)	74.5	66.4	52.1	45.3	41.2	38.6	36.9	35.7	34.9

N=10 DB= 10.

BETAO	2.941	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.468	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.201	0.128	0.062	0.040	0.028	0.020	0.015	0.010
G	11.45	14.34	16.79	17.60	18.01	18.25	18.40	18.49
G(D8)	10.59	11.57	12.25	12.46	12.55	12.61	12.65	12.67
A(1)	3.5764E-01	4.3244E-01	1.0314E 00	2.0019E 00	3.2294E 00	4.5912E 00	5.9535E 00	7.1825E 00
A(2)	4.0028E-01	4.9471E-01	1.3860E 00	3.3377E 00	6.7056E 00	1.1618E 01	1.7768E 01	2.4379E 01
A(3)	4.3059E-01	5.3966E-01	1.6675E 00	4.5584E 00	1.0409E 01	2.0285E 01	3.4328E 01	5.1091E 01
A(4)	4.4633E-01	5.6315E-01	1.8234E 00	5.2898E 00	1.2826E 01	2.6423E 01	4.6936E 01	7.2672E 01
THETAH	23.5	16.8	11.3	9.5	8.5	8.0	7.6	7.3
THETA(1)	34.9	29.8	23.3	20.2	18.4	17.2	16.4	15.9
THETA(2)	43.3	39.2	33.0	29.5	27.3	25.7	24.6	23.9
THETA(3)	51.6	48.2	42.8	39.4	37.0	35.3	34.0	33.1
THETA(4)	59.4	56.5	52.0	49.0	46.7	45.0	43.7	42.7
THETA(5)	66.7	64.3	60.5	58.0	56.0	54.5	53.3	52.3
THETA(6)	73.7	71.6	68.6	66.6	65.0	63.7	62.7	62.0
THETA(7)	80.6	78.7	76.4	74.9	73.8	72.9	72.1	71.5
THETA(8)	87.2	85.7	83.9	83.0	82.3	81.8	81.4	81.1
THETA(9)	93.9	92.6	91.4	91.0	90.8	90.7	90.7	90.6
THETA(10)	100.6	99.5	98.9	99.1	99.4	99.7	100.0	100.2
THETA(11)	107.5	106.6	106.6	107.3	108.0	108.7	109.3	109.8
THETA(12)	114.6	113.9	114.5	115.7	116.9	117.9	118.8	119.5
THETA(13)	122.1	121.6	122.8	124.5	126.0	127.4	128.4	129.3
THETA(14)	130.2	130.0	131.7	133.8	135.7	137.2	138.3	139.2
THETA(15)	139.2	139.2	141.5	143.9	145.9	147.4	148.4	149.2
THETA(16)	149.8	150.0	152.6	155.0	156.7	157.9	158.8	159.4
THETA(17)	163.0	163.3	165.5	167.1	168.2	168.9	169.3	169.7
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	47.0	33.6	22.7	19.0	17.1	15.9	15.1	14.6
BW(1)	69.9	59.7	46.6	40.4	36.7	34.4	32.8	31.7

N=11 DB= 10.

BETAO	2.961	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.471	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.181	0.103	0.050	0.032	0.023	0.016	0.012	0.008
G	11.99	15.26	17.33	18.01	18.36	18.55	18.68	18.76
G(08)	10.79	11.84	12.39	12.56	12.64	12.68	12.71	12.73
A(1)	3.2352E-01	4.3025E-01	1.1087E 00	2.1931E 00	3.5629E 00	5.0822E 00	6.6018E 00	7.9727E 00
A(2)	3.6015E-01	4.9504E-01	1.5390E 00	3.8765E 00	8.0060E 00	1.4122E 01	2.1856E 01	3.0226E 01
A(3)	3.8801E-01	5.4530E-01	1.9144E 00	5.6064E 00	1.3441E 01	2.7143E 01	4.7138E 01	7.1450E 01
A(4)	4.0543E-01	5.7714E-01	2.1707E 00	6.9131E 00	1.8009E 01	3.9248E 01	7.2811E 01	1.1642E 02
A(5)	4.1136E-01	5.8804E-01	2.2618E 00	7.4002E 00	1.9802E 01	4.4234E 01	8.3845E 01	1.3644E 02
THETAH	22.2	14.8	10.2	8.5	7.7	7.2	6.8	6.6
THETA(1)	33.0	27.1	21.1	18.2	16.5	15.5	14.8	14.3
THETA(2)	40.9	36.0	30.1	26.8	24.6	23.2	22.2	21.5
THETA(3)	48.6	44.6	39.3	35.9	33.6	31.9	30.7	29.9
THETA(4)	55.9	52.5	47.9	44.8	42.5	40.7	39.5	38.5
THETA(5)	62.7	59.8	55.9	53.2	51.1	49.4	48.2	47.3
THETA(6)	69.2	66.6	63.4	61.2	59.4	58.0	56.8	56.0
THETA(7)	75.4	73.2	70.6	68.9	67.4	66.3	65.4	64.7
THETA(8)	81.5	79.6	77.6	76.3	75.3	74.5	73.8	73.3
THETA(9)	87.5	85.9	84.4	83.6	83.0	82.6	82.2	81.9
THETA(10)	93.5	92.1	91.2	90.8	90.7	90.6	90.5	90.5
THETA(11)	99.5	98.4	97.9	98.1	98.4	98.7	98.9	99.1
THETA(12)	105.6	104.7	104.8	105.4	106.1	106.8	107.3	107.8
THETA(13)	112.0	111.2	111.8	113.0	114.1	115.0	115.8	116.5
THETA(14)	118.5	118.0	119.2	120.8	122.2	123.5	124.5	125.3
THETA(15)	125.5	125.2	126.9	128.9	130.7	132.2	133.3	134.1
THETA(16)	133.1	133.0	135.3	137.6	139.6	141.1	142.3	143.1
THETA(17)	141.5	141.8	144.5	147.0	149.0	150.4	151.5	152.2
THETA(18)	151.4	151.9	154.9	157.2	158.9	160.1	160.9	161.4
THETA(19)	163.9	164.4	166.8	168.3	169.3	170.0	170.4	170.7
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	44.4	29.6	20.3	17.1	15.4	14.3	13.6	13.2
BW(1)	66.0	54.3	42.1	36.4	33.1	31.0	29.5	28.6

N=12 08= 10.

BETA0	2.977	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.474	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.165	0.086	0.042	0.027	0.019	0.014	0.010	0.007
G	12.46	15.99	17.75	18.33	18.62	18.79	18.90	18.93
G(08)	10.96	12.04	12.49	12.63	12.70	12.74	12.76	12.77
A(1)	2.9522E-01	4.3414E-01	1.1896E 00	2.3871E 00	3.8986E 00	5.5748E 00	7.2512E 00	8.7636E 00
A(2)	3.2691E-01	5.0268E-01	1.7042E 00	4.4592E 00	9.4256E 00	1.6876E 01	2.6371E 01	3.6691E 01
A(3)	3.5217E-01	5.5881E-01	2.1875E 00	6.8C02E 00	1.6999E 01	3.5375E 01	6.2768E 01	9.6573E 01
A(4)	3.6975E-01	5.9862E-01	2.5636E 00	8.8575E 00	2.4548E 01	5.6109E 01	1.0792E 02	1.7719E 02
A(5)	3.7876E-01	6.1927E-01	2.7695E 00	1.0065E 01	2.9308E 01	7.0090E 01	1.4021E 02	2.3767E 02
THETAH	21.1	13.2	9.2	7.8	7.0	6.5	6.2	6.0
THETA(1)	31.4	24.9	19.2	16.6	15.1	14.1	13.4	13.0
THETA(2)	38.8	33.4	27.7	24.5	22.5	21.1	20.2	19.6
THETA(3)	46.1	41.6	36.3	33.0	30.7	29.1	28.0	27.2
THETA(4)	53.0	49.1	44.4	41.3	39.0	37.2	36.0	35.1
THETA(5)	59.3	56.0	52.0	49.2	47.0	45.3	44.0	43.1
THETA(6)	65.4	62.4	59.1	56.6	54.7	53.1	51.9	51.0
THETA(7)	71.2	68.6	65.8	63.8	62.2	60.8	59.8	59.0
THETA(8)	76.8	74.6	72.3	70.7	69.4	68.4	67.5	66.9
THETA(9)	82.3	80.4	78.6	77.5	76.6	75.8	75.2	74.8
THETA(10)	87.7	86.1	84.8	84.1	83.6	83.2	82.8	82.6
THETA(11)	93.2	91.7	91.0	90.7	90.6	90.5	90.5	90.4
THETA(12)	98.6	97.4	97.1	97.3	97.6	97.8	98.1	98.3
THETA(13)	104.2	103.2	103.4	104.0	104.6	105.2	105.7	106.1
THETA(14)	109.8	109.1	109.7	110.8	111.8	112.7	113.4	114.0
THETA(15)	115.7	115.2	116.3	117.8	119.1	120.3	121.3	122.0
THETA(16)	121.8	121.6	123.2	125.0	126.7	128.1	129.2	130.0
THETA(17)	128.4	128.3	130.5	132.7	134.6	136.1	137.3	138.2
THETA(18)	135.5	135.7	138.4	140.9	142.9	144.4	145.6	146.4
THETA(19)	143.5	144.0	147.0	149.6	151.6	153.0	154.0	154.7
THETA(20)	152.9	153.6	156.8	159.1	160.7	161.8	162.6	163.1
THETA(21)	164.7	165.5	167.9	169.3	170.3	170.9	171.3	171.5
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	42.3	26.5	18.4	15.5	14.0	13.0	12.4	12.0
BW(1)	62.7	49.7	38.4	33.1	30.1	28.2	26.9	26.0

N=13 08= 10.

BETA0	2.991	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMBDA	0.476	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.151	0.072	0.035	0.022	0.016	0.011	0.008
G	12.88	16.56	18.08	18.58	18.83	18.97	19.06
G(08)	11.10	12.19	12.57	12.69	12.75	12.78	12.80
A(1)	2.7140E-01	4.4224E-01	1.2730E 00	2.5831E 00	4.2360E 00	6.0686E 00	7.9015E 00
A(2)	2.9902E-01	5.1559E-01	1.8807E 00	5.0853E 00	1.0965E 01	1.9879E 01	3.1314E 01
A(3)	3.2180E-01	5.7824E-01	2.4871E 00	8.1487E 00	2.1125E 01	4.5107E 01	8.1497E 01
A(4)	3.3879E-01	6.2618E-01	3.0052E 00	1.1161E 01	3.2651E 01	7.7755E 01	1.5421E 02
A(5)	3.4928E-01	6.5629E-01	3.3543E 00	1.3378E 01	4.1938E 01	1.0635E 02	2.2268E 02
A(6)	3.5283E-01	6.6655E-01	3.4775E 00	1.4196E 01	4.5512E 01	1.1781E 02	2.5111E 02
THETAH	20.2	12.0	8.4	7.1	6.4	6.0	5.7
THETA(1)	29.9	22.9	17.7	15.2	13.8	12.9	12.3
THETA(2)	37.0	31.1	25.6	22.5	20.6	19.4	18.5
THETA(3)	44.0	39.0	33.8	30.5	28.3	26.8	25.7
THETA(4)	50.4	46.1	41.5	38.3	36.0	34.3	33.1
THETA(5)	56.5	52.7	48.6	45.7	43.4	41.7	40.5
THETA(6)	62.1	58.9	55.3	52.7	50.7	49.1	47.8
THETA(7)	67.6	64.7	61.7	59.5	57.7	56.2	55.1
THETA(8)	72.8	70.3	67.8	66.0	64.5	63.3	62.3
THETA(9)	77.9	75.7	73.7	72.3	71.1	70.2	69.4
THETA(10)	83.0	81.0	79.5	78.5	77.6	77.0	76.4
THETA(11)	87.9	86.3	85.2	84.5	84.1	83.7	83.4
THETA(12)	92.9	91.5	90.8	90.6	90.5	90.4	90.4
THETA(13)	97.9	96.7	96.5	96.6	96.9	97.1	97.4
THETA(14)	102.9	102.0	102.2	102.7	103.3	103.9	104.4
THETA(15)	108.1	107.3	108.0	109.0	109.9	110.7	111.4
THETA(16)	113.3	112.9	113.9	115.3	116.6	117.7	118.6
THETA(17)	118.8	118.6	120.1	121.9	123.5	124.8	125.8
THETA(18)	124.6	124.6	126.6	128.7	130.6	132.0	133.2
THETA(19)	130.8	131.1	133.5	136.0	138.0	139.5	140.7
THETA(20)	137.5	138.1	141.0	143.7	145.7	147.2	148.3
THETA(21)	145.1	146.0	149.2	151.9	153.8	155.2	156.1
THETA(22)	154.1	155.2	158.5	160.7	162.3	163.3	164.0
THETA(23)	165.4	166.4	168.8	170.2	171.0	171.6	172.0
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	40.4	23.9	16.8	14.2	12.8	11.9	11.4
BW(1)	59.9	45.9	35.3	30.4	27.6	25.8	24.6

N=14 08= 10.

BETAD	3.002	2.827	2.513	2.199	1.885	1.571	1.257
D/LAM80A	0.478	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.140	0.062	0.030	0.019	0.013	0.010	0.007
G	13.26	17.03	18.35	18.78	18.99	19.12	19.20
G(08)	11.23	12.31	12.64	12.74	12.79	12.81	12.83
A(1)	2.5108E-01	4.5339E-01	1.3584E 00	2.7807E 00	4.5745E 00	6.5634E 00	8.5524E 00
A(2)	2.7533E-01	5.3245E-01	2.0681E 00	5.7547E 00	1.2623E 01	2.3132E 01	3.6684E 01
A(3)	2.9585E-01	6.0232E-01	2.8138E 00	9.6607E 00	2.5859E 01	5.6463E 01	1.0361E 02
A(4)	3.1193E-01	6.5885E-01	3.4987E 00	1.3862E 01	4.2542E 01	1.0500E 02	2.1380E 02
A(5)	3.2297E-01	6.9860E-01	4.0239E 00	1.7445E 01	5.8369E 01	1.5577E 02	3.3922E 02
A(6)	3.2860E-01	7.1912E-01	4.3090E 00	1.9514E 01	6.8085E 01	1.8876E 02	4.2486E 02
THETAH	19.3	10.9	7.7	6.5	5.9	5.5	5.2
THETA(1)	28.7	21.3	16.3	14.1	12.8	11.9	11.4
THETA(2)	35.5	29.1	23.8	20.9	19.1	17.9	17.1
THETA(3)	42.1	36.7	31.5	28.3	26.2	24.8	23.7
THETA(4)	48.2	43.6	38.9	35.7	33.4	31.8	30.6
THETA(5)	54.0	49.9	45.7	42.7	40.4	38.7	37.5
THETA(6)	59.4	55.8	52.1	49.4	47.2	45.6	44.3
THETA(7)	64.5	61.3	58.1	55.7	53.8	52.3	51.1
THETA(8)	69.4	66.6	63.9	61.9	60.2	58.8	57.8
THETA(9)	74.2	71.7	69.5	67.8	66.4	65.3	64.4
THETA(10)	78.9	76.7	74.9	73.6	72.5	71.6	70.9
THETA(11)	83.5	81.6	80.2	79.3	78.5	77.9	77.4
THETA(12)	88.1	86.4	85.5	84.9	84.5	84.2	83.9
THETA(13)	92.7	91.2	90.7	90.5	90.4	90.4	90.3
THETA(14)	97.2	96.1	95.9	96.1	96.3	96.6	96.8
THETA(15)	101.9	100.9	101.2	101.7	102.3	102.8	103.2
THETA(16)	106.6	105.9	106.5	107.4	108.3	109.1	109.8
THETA(17)	111.4	110.9	112.0	113.3	114.5	115.5	116.3
THETA(18)	116.4	116.1	117.6	119.3	120.7	122.0	123.0
THETA(19)	121.6	121.6	123.5	125.5	127.2	128.6	129.8
THETA(20)	127.1	127.3	129.7	132.0	133.9	135.4	136.6
THETA(21)	132.9	133.5	136.3	138.8	140.9	142.4	143.6
THETA(22)	139.4	140.2	143.4	146.1	148.1	149.6	150.7
THETA(23)	146.6	147.7	151.2	153.8	155.7	157.0	157.9
THETA(24)	155.2	156.5	159.9	162.1	163.6	164.6	165.2
THETA(25)	166.0	167.2	169.6	170.9	171.7	172.2	172.6
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	38.7	21.9	15.5	13.1	11.8	11.0	10.5
BW(1)	57.4	42.6	32.7	28.1	25.5	23.8	22.7

N=15 08= 10.

BETAD	3.012	2.827	2.513	2.199	1.885	1.571
D/LAM80A	0.479	0.450	0.400	0.350	0.300	0.250
ALPHA	0.130	0.053	0.026	0.017	0.012	0.008
G	13.60	17.41	18.56	18.94	19.13	19.24
G(08)	11.34	12.41	12.69	12.77	12.82	12.84
A(1)	2.3357E-01	4.6675E-01	1.4453E 00	2.9796E 00	4.9141E 00	7.0589E 00
A(2)	2.5500E-01	5.5239E-01	2.2659E 00	6.4672E 00	1.4401E 01	2.6634E 01
A(3)	2.7351E-01	6.3021E-01	3.1684E 00	1.1345E 01	3.1245E 01	6.9568E 01
A(4)	2.8853E-01	6.9595E-01	4.0474E 00	1.7002E 01	5.4459E 01	1.3871E 02
A(5)	2.9961E-01	7.4585E-01	4.7864E 00	2.2377E 01	7.9363E 01	2.2156E 02
A(6)	3.0640E-01	7.7702E-01	5.2795E 00	2.6255E 01	9.8779E 01	2.9090E 02
A(7)	3.0868E-01	7.8762E-01	5.4526E 00	2.7671E 01	1.0614E 02	3.1812E 02
THETAH	18.6	10.1	7.2	6.1	5.5	5.1
THETA(1)	27.6	19.9	15.2	13.1	11.8	11.1
THETA(2)	34.1	27.4	22.2	19.4	17.8	16.7
THETA(3)	40.4	34.7	29.6	26.5	24.4	23.0
THETA(4)	46.3	41.3	36.6	33.4	31.2	29.6
THETA(5)	51.8	47.4	43.1	40.1	37.8	36.1
THETA(6)	56.9	53.0	49.2	46.4	44.2	42.5
THETA(7)	61.8	58.3	55.0	52.5	50.4	48.8
THETA(8)	66.4	63.4	60.5	58.3	56.5	55.0
THETA(9)	71.0	68.2	65.8	63.9	62.4	61.1
THETA(10)	75.4	73.0	70.9	69.4	68.1	67.0
THETA(11)	79.7	77.6	75.9	74.8	73.8	72.9
THETA(12)	84.0	82.1	80.9	80.0	79.3	78.8
THETA(13)	88.2	86.6	85.7	85.2	84.9	84.5
THETA(14)	92.5	91.1	90.6	90.4	90.4	90.3
THETA(15)	96.7	95.6	95.4	95.6	95.9	96.1
THETA(16)	101.0	100.1	100.3	100.9	101.4	101.9
THETA(17)	105.3	104.6	105.3	106.1	107.0	107.7
THETA(18)	109.8	109.3	110.3	111.5	112.6	113.6
THETA(19)	114.3	114.1	115.5	117.0	118.4	119.6
THETA(20)	119.1	119.0	120.9	122.7	124.4	125.7
THETA(21)	124.0	124.2	126.5	128.6	130.5	132.0
THETA(22)	129.2	129.7	132.4	134.8	136.8	138.4
THETA(23)	134.8	135.6	138.6	141.3	143.4	144.9
THETA(24)	141.0	142.1	145.5	148.2	150.2	151.7
THETA(25)	147.9	149.3	152.9	155.5	157.3	158.6
THETA(26)	156.1	157.7	161.2	163.3	164.7	165.6
THETA(27)	166.5	167.9	170.3	171.5	172.3	172.8
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	37.2	20.2	14.3	12.1	11.0	10.2
BW(1)	55.2	39.8	30.4	26.1	23.7	22.2

N=20 08= 10.

BETAO	3.046	2.827	2.513	2.199	1.885
O/LAMBOA	0.485	0.450	0.400	0.350	0.300
ALPHA	0.096	0.029	0.014	0.009	0.006
G	14.89	18.55	19.20	19.41	19.52
G(08)	11.73	12.68	12.83	12.88	12.90
A(1)	1.7298E-01	5.5347E-01	1.8937E 00	3.9852E 00	6.6213E 00
A(2)	1.8558E-01	6.8245E-01	3.4036E 00	1.0672E 01	2.5081E 01
A(3)	1.9711E-01	8.1175E-01	5.3832E 00	2.2660E 01	6.9377E 01
A(4)	2.0737E-01	9.3603E-01	7.7396E 00	4.0841E 01	1.5375E 02
A(5)	2.1620E-01	1.0499E 00	1.0298E 01	6.4691E 01	2.8616E 02
A(6)	2.2346E-01	1.1482E 00	1.2820E 01	9.1893E 01	4.5970E 02
A(7)	2.2900E-01	1.2264E 00	1.5036E 01	1.1853E 02	6.4826E 02
A(8)	2.3276E-01	1.2807E 00	1.6685E 01	1.3992E 02	8.1103E 02
A(9)	2.3465E-01	1.3085E 00	1.7566E 01	1.5186E 02	9.0583E 02
THETAH	15.9	7.3	5.3	4.5	4.0
THETA(1)	23.5	14.9	11.3	9.7	8.7
THETA(2)	29.0	21.1	16.7	14.5	13.1
THETA(3)	34.3	27.3	22.5	19.8	18.2
THETA(4)	39.3	33.0	28.3	25.3	23.3
THETA(5)	43.8	38.2	33.7	30.6	28.4
THETA(6)	48.0	43.0	38.7	35.7	33.5
THETA(7)	52.0	47.5	43.5	40.6	38.4
THETA(8)	55.8	51.7	48.1	45.3	43.2
THETA(9)	59.5	55.7	52.5	49.9	47.8
THETA(10)	63.0	59.6	56.6	54.3	52.4
THETA(11)	66.4	63.3	60.7	58.6	56.8
THETA(12)	69.7	66.9	64.6	62.8	61.2
THETA(13)	73.0	70.4	68.5	66.8	65.5
THETA(14)	76.2	73.9	72.2	70.9	69.7
THETA(15)	79.4	77.3	75.9	74.8	73.9
THETA(16)	82.5	80.6	79.5	78.7	78.0
THETA(17)	85.6	84.0	83.2	82.6	82.1
THETA(18)	88.7	87.3	86.7	86.4	86.1
THETA(19)	91.8	90.6	90.3	90.2	90.2
THETA(20)	94.9	93.9	93.9	94.1	94.3
THETA(21)	98.0	97.2	97.5	97.9	98.3
THETA(22)	101.2	100.5	101.1	101.8	102.4
THETA(23)	104.3	103.9	104.8	105.7	106.5
THETA(24)	107.5	107.3	108.5	109.6	110.7
THETA(25)	110.8	110.8	112.2	113.7	114.9
THETA(26)	114.2	114.4	116.1	117.8	119.2
THETA(27)	117.6	118.0	120.0	122.0	123.6
THETA(28)	121.1	121.8	124.1	126.3	128.1
THETA(29)	124.8	125.7	128.4	130.7	132.7
THETA(30)	128.7	129.8	132.8	135.3	137.4
THETA(31)	132.7	134.1	137.4	140.1	142.2
THETA(32)	137.0	138.7	142.3	145.1	147.2
THETA(33)	141.7	143.7	147.5	150.4	152.4
THETA(34)	146.8	149.2	153.1	155.8	157.7
THETA(35)	152.7	155.3	159.2	161.6	163.1
THETA(36)	159.6	162.4	165.7	167.6	168.7
THETA(37)	168.5	170.7	172.7	173.7	174.3
THETA(38)	180.0	180.0	180.0	180.0	180.0
BW(H)	31.8	14.5	10.5	8.9	8.1
BW(1)	47.0	29.8	22.5	19.3	17.5

N=25 08= 10.

BETAO	3.066	2.827	2.513	2.199
O/LAMBOA	0.488	0.450	0.400	0.350
ALPHA	0.076	0.018	0.009	0.006
G	15.75	19.07	19.49	19.63
G(08)	11.97	12.80	12.90	12.93
A(1)	1.3726E-01	6.5633E-01	2.3544E 00	5.0C13E 00
A(2)	1.4550E-01	8.4479E-01	4.7796E 00	1.5945E 01
A(3)	1.5324E-01	1.0464E 00	8.4C89E 00	3.9601E 01
A(4)	1.6040E-01	1.2550E 00	1.3350E 01	8.2808E 01
A(5)	1.6691E-01	1.4638E 00	1.9550E 01	1.5168E 02
A(6)	1.7270E-01	1.6654E 00	2.6762E 01	2.4917E 02
A(7)	1.7770E-01	1.8520E 00	3.4547E 01	3.7262E 02
A(8)	1.8188E-01	2.0165E 00	4.2303E 01	5.1243E 02
A(9)	1.8516E-01	2.1521E 00	4.9343E 01	6.5259E 02
A(10)	1.8756E-01	2.2533E 00	5.4977E 01	7.7326E 02
A(11)	1.8897E-01	2.3157E 00	5.8621E 01	8.5513E 02
A(12)	1.8951E-01	2.3369E 00	5.9882E 01	8.8414E 02
THETAH	14.1	5.7	4.1	3.5
THETA(1)	20.8	11.9	8.9	7.6
THETA(2)	25.7	17.2	13.3	11.5
THETA(3)	30.4	22.6	18.2	15.9
THETA(4)	34.7	27.6	23.0	20.3
THETA(5)	38.6	32.2	27.6	24.7
THETA(6)	42.3	36.5	32.0	29.0
THETA(7)	45.8	40.4	36.1	33.1
THETA(8)	49.1	44.1	40.1	37.1
THETA(9)	52.2	47.6	43.9	41.0
THETA(10)	55.2	51.0	47.5	44.8
THETA(11)	58.1	54.2	51.0	48.4
THETA(12)	60.9	57.4	54.4	52.0
THETA(13)	63.7	60.4	57.7	55.4
THETA(14)	66.4	63.3	60.9	58.8
THETA(15)	69.0	66.2	64.0	62.1
THETA(16)	71.6	69.0	67.0	65.4
THETA(17)	74.1	71.8	70.0	68.6
THETA(18)	76.7	74.5	73.0	71.7
THETA(19)	79.2	77.2	75.9	74.9
THETA(20)	81.6	79.9	78.8	78.0
THETA(21)	84.1	82.5	81.7	81.0
THETA(22)	86.5	85.1	84.5	84.1
THETA(23)	89.0	87.8	87.4	87.1
THETA(24)	91.4	90.4	90.2	90.1
THETA(25)	93.9	93.0	93.0	93.2
THETA(26)	96.3	95.6	95.9	96.2
THETA(27)	98.8	98.2	98.7	99.3
THETA(28)	101.2	100.9	101.6	102.4
THETA(29)	103.7	103.6	104.5	105.4
THETA(30)	106.3	106.3	107.4	108.6
THETA(31)	108.8	109.0	110.4	111.7

N = 25 DB = 10. (Continued)

THETA(32)	111.4	111.8	113.4	115.0
THETA(33)	114.1	114.6	116.5	118.2
THETA(34)	116.8	117.5	119.6	121.5
THETA(35)	119.5	120.5	122.8	124.9
THETA(36)	122.4	123.5	126.1	128.4
THETA(37)	125.3	126.7	129.5	132.0
THETA(38)	128.3	129.9	133.0	135.7
THETA(39)	131.5	133.4	136.7	139.5
THETA(40)	134.8	136.9	140.5	143.4
THETA(41)	138.3	140.7	144.6	147.4
THETA(42)	142.1	144.8	148.8	151.7
THETA(43)	146.1	149.2	153.3	156.0
THETA(44)	150.7	154.0	158.1	160.6
THETA(45)	155.8	159.4	163.2	165.3
THETA(46)	162.0	165.5	168.6	170.1
THETA(47)	169.8	172.4	174.2	175.0
THETA(48)	180.0	180.0	180.0	180.0
BW(H)	28.2	11.4	8.3	7.1
BW(1)	41.6	23.8	17.9	15.3

N=30 08= 10.

BETAO	3.079	2.827	2.513	2.199
O/LAMBOA	0.490	0.450	0.400	0.350
ALPHA	0.063	0.012	0.006	0.004
G	16.36	19.36	19.65	19.74
G(08)	12.14	12.87	12.93	12.95
A(1)	1.1373E-01	7.6632E-01	2.8210E 00	6.0224E 00
A(2)	1.1953E-01	1.0296E 00	6.3884E 00	2.2281E 01
A(3)	1.2505E-01	1.3261E 00	1.2351E 01	6.3262E 01
A(4)	1.3027E-01	1.6502E 00	2.1381E 01	1.5C02E 02
A(5)	1.3514E-01	1.9943E 00	3.3997E 01	3.1033E 02
A(6)	1.3962E-01	2.3493E 00	5.0421E 01	5.7460E 02
A(7)	1.4370E-01	2.7049E 00	7.0460E 01	9.6840E 02
A(8)	1.4730E-01	3.0498E 00	9.3430E 01	1.5028E 03
A(9)	1.5050E-01	3.3726E 00	1.1815E 02	2.1652E 03
A(10)	1.5318E-01	3.6620E 00	1.4302E 02	2.9136E 03
A(11)	1.5537E-01	3.9077E 00	1.6617E 02	3.6779E 03
A(12)	1.5683E-01	4.1006E 00	1.8566E 02	4.3691E 03
A(13)	1.5794E-01	4.2334E 00	1.9977E 02	4.8950E 03
A(14)	1.5854E-01	4.3012E 00	2.0718E 02	5.1794E 03
THETAH	12.8	4.7	3.4	2.9
THETA(1)	18.9	9.9	7.4	6.3
THETA(2)	23.3	14.5	11.1	9.5
THETA(3)	27.5	19.2	15.2	13.2
THETA(4)	31.4	23.7	19.3	16.9
THETA(5)	35.0	27.9	23.4	20.7
THETA(6)	38.3	31.7	27.2	24.3
THETA(7)	41.4	35.3	30.9	27.9
THETA(8)	44.3	38.7	34.4	31.4
THETA(9)	47.1	41.9	37.8	34.8
THETA(10)	49.8	44.9	41.0	38.1
THETA(11)	52.3	47.8	44.1	41.3
THETA(12)	54.8	50.6	47.1	44.4
THETA(13)	57.2	53.3	50.1	47.4
THETA(14)	59.6	55.9	52.9	50.4
THETA(15)	61.9	58.5	55.7	53.3
THETA(16)	64.2	60.9	58.3	56.2
THETA(17)	66.4	63.4	61.0	59.0
THETA(18)	68.5	65.8	63.6	61.7
THETA(19)	70.7	68.1	66.1	64.4
THETA(20)	72.8	70.4	68.6	67.1
THETA(21)	74.9	72.7	71.1	69.7
THETA(22)	77.0	74.9	73.5	72.3
THETA(23)	79.0	77.2	75.9	74.9
THETA(24)	81.1	79.4	78.3	77.5
THETA(25)	83.1	81.6	80.7	80.0
THETA(26)	85.1	83.7	83.1	82.5
THETA(27)	87.1	85.9	85.4	85.1
THETA(28)	89.2	88.1	87.8	87.6
THETA(29)	91.2	90.3	90.1	90.1
THETA(30)	93.2	92.4	92.5	92.6
THETA(31)	95.2	94.6	94.8	95.1
THETA(32)	97.2	96.8	97.2	97.7
THETA(33)	99.3	99.0	99.6	100.2
THETA(34)	101.3	101.1	101.9	102.7
THETA(35)	103.4	103.4	104.3	105.3
THETA(36)	105.4	105.6	106.8	107.9
THETA(37)	107.5	107.9	109.2	110.5
THETA(38)	109.7	110.1	111.7	113.1
THETA(39)	111.8	112.5	114.2	115.8
THETA(40)	114.0	114.8	116.7	118.5
THETA(41)	116.2	117.2	119.3	121.3
THETA(42)	118.5	119.6	122.0	124.1
THETA(43)	120.8	122.1	124.7	126.9
THETA(44)	123.1	124.7	127.5	129.8
THETA(45)	125.6	127.3	130.3	132.8
THETA(46)	128.1	130.1	133.2	135.9
THETA(47)	130.7	132.9	136.3	139.0
THETA(48)	133.4	135.8	139.4	142.3
THETA(49)	136.2	138.9	142.7	145.6
THETA(50)	139.2	142.1	146.1	149.0
THETA(51)	142.3	145.5	149.7	152.5
THETA(52)	145.7	149.2	153.4	156.2
THETA(53)	149.3	153.2	157.4	159.9
THETA(54)	153.4	157.5	161.5	163.8
THETA(55)	158.1	162.3	165.9	167.7
THETA(56)	163.6	167.7	170.5	171.8
THETA(57)	170.7	173.6	175.2	175.9
THETA(58)	180.0	180.0	180.0	180.0
BW(H)	25.5	9.3	6.9	5.8
BW(1)	37.8	19.8	14.8	12.7

N= 3 D8= 15.

BETAO	2.153	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.342	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.989	0.761	0.565	0.416	0.294	0.188	0.092
G	3.94	5.24	6.43	7.32	7.96	8.39	8.64
G(D8)	5.96	7.19	8.08	8.65	9.01	9.24	9.37
A(1)	1.3961E 00	1.4324E 00	1.5361E 00	1.6672E 00	1.7971E 00	1.9048E 00	1.9754E 00
THETAH	59.0	49.1	42.4	38.6	36.4	35.0	34.3
THETA(1)	95.1	89.7	85.3	82.3	80.2	78.9	78.1
THETA(2)	117.4	113.8	111.1	109.3	108.2	107.4	107.0
THETA(3)	146.1	144.5	143.4	142.8	142.6	142.5	142.4
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	118.0	98.2	84.8	77.3	72.8	70.1	68.7
BW(1)	190.2	179.3	170.6	164.6	160.4	157.7	156.2

N= 4 D8= 15.

BETAO	2.412	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.384	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.730	0.557	0.396	0.290	0.211	0.148	0.095	0.046
G	5.84	8.08	10.57	12.36	13.65	14.57	15.18	15.53
G(D8)	7.66	9.07	10.24	10.92	11.35	11.63	11.81	11.91
A(1)	1.3318E 00	1.3930E 00	1.6223E 00	1.9279E 00	2.2519E 00	2.5512E 00	2.7914E 00	2.9464E 00
THETAH	46.9	38.0	31.3	27.9	25.9	24.7	24.0	23.6
THETA(1)	73.8	68.2	62.9	59.4	57.0	55.4	54.3	53.7
THETA(2)	89.2	85.0	81.0	78.3	76.5	75.2	74.3	73.8
THETA(3)	107.6	104.7	102.1	100.6	99.7	99.0	98.7	98.4
THETA(4)	128.2	126.4	125.2	124.8	124.7	124.8	124.9	124.9
THETA(5)	152.2	151.4	151.1	151.3	151.6	151.9	152.1	152.3
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	93.8	75.9	62.5	55.7	51.8	49.4	47.9	47.1
BW(1)	147.5	136.4	125.8	118.8	114.1	110.8	108.7	107.5

N= 5 D8= 15.

BETAD	2.572	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.409	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.570	0.516	0.333	0.235	0.171	0.124	0.087	0.056	0.027
G	7.72	8.86	13.60	16.75	18.94	20.48	21.57	22.29	22.70
G(D8)	8.87	9.47	11.34	12.24	12.77	13.11	13.34	13.48	13.56
A(1)	1.1629E 00	1.1719E 00	1.4182E 00	1.8413E 00	2.3402E 00	2.8491E 00	3.3121E 00	3.6809E 00	3.9182E 00
A(2)	1.3320E 00	1.3436E 00	1.6696E 00	2.2652E 00	3.0247E 00	3.8638E 00	4.6833E 00	5.3746E 00	5.8372E 00
THETAH	39.8	36.5	26.8	22.8	20.7	19.4	18.6	18.1	17.9
THETA(1)	61.8	59.8	52.5	48.2	45.3	58.7	57.4	56.5	56.0
THETA(2)	74.1	72.4	66.5	62.9	60.4	43.4	42.1	41.3	40.8
THETA(3)	88.1	86.8	82.4	79.8	78.0	76.7	75.8	75.2	74.8
THETA(4)	102.8	101.8	98.7	97.2	96.2	95.7	95.3	95.1	95.0
THETA(5)	118.5	117.8	115.8	115.3	115.2	115.3	115.5	115.7	115.8
THETA(6)	135.8	135.4	134.5	134.8	135.3	135.9	136.4	136.8	137.0
THETA(7)	156.2	155.9	155.8	156.4	157.0	157.5	158.0	158.3	158.4
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	79.5	73.0	53.6	45.6	41.4	38.9	37.3	36.3	35.7
BW(1)	123.7	119.6	104.9	96.3	90.7	86.9	84.2	82.5	81.6

N= 6 D8= 15.

BETAD	2.677	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.426	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.465	0.341	0.219	0.154	0.112	0.081	0.057	0.036	0.018
G	9.52	13.83	19.38	22.89	25.27	26.93	28.08	28.83	29.26
G(D8)	9.79	11.41	12.87	13.60	14.03	14.30	14.48	14.60	14.66
A(1)	1.0043E 00	1.0860E 00	1.5049E 00	2.1009E 00	2.7791E 00	3.4631E 00	4.0824E 00	4.5747E 00	4.8910E 00
A(2)	1.2060E 00	1.3219E 00	1.9578E 00	2.9837E 00	4.3238E 00	5.8618E 00	7.4156E 00	8.7602E 00	9.6753E 00
THETAH	35.0	27.1	20.7	18.0	16.5	15.5	14.9	14.6	14.4
THETA(1)	54.1	48.7	42.6	39.0	36.6	35.0	33.9	33.2	32.8
THETA(2)	64.5	60.1	54.8	51.5	49.2	47.5	46.3	45.5	45.1
THETA(3)	76.1	72.6	68.4	65.7	63.8	62.4	61.3	60.6	60.2
THETA(4)	88.0	85.1	82.1	80.2	78.9	77.9	77.2	76.7	76.5
THETA(5)	100.0	97.8	95.7	94.7	94.1	93.7	93.5	93.3	93.2
THETA(6)	112.5	110.9	109.7	109.5	109.6	109.8	110.0	110.2	110.3
THETA(7)	125.9	124.8	124.5	125.0	125.7	126.4	126.9	127.3	127.6
THETA(8)	141.0	140.4	140.8	141.8	142.8	143.6	144.2	144.7	145.0
THETA(9)	158.9	158.7	159.3	160.2	161.0	161.6	162.0	162.3	162.5
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	70.1	54.2	41.4	35.9	32.9	31.1	29.9	29.1	28.7
BW(1)	108.3	97.4	85.1	77.9	73.2	70.0	67.8	66.4	65.6

N= 7 08= 15.

BETAO	2.750	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.437	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.392	0.241	0.154	0.108	0.079	0.057	0.040	0.026	0.012
G	11.24	18.93	24.87	28.51	30.92	32.58	33.71	34.46	34.83
G(08)	10.51	12.77	13.96	14.55	14.90	15.13	15.28	15.37	15.42
A(1)	8.7404E-01	1.0639E 00	1.6301E 00	2.3864E 00	3.2357E 00	4.0885E 00	4.8592E 00	5.4713E 00	5.8645E 00
A(2)	1.0650E 00	1.3469E 00	2.2944E 00	3.8102E 00	5.8531E 00	8.2675E 00	1.0762E 01	1.2955E 01	1.4463E 01
A(3)	1.1349E 00	1.4524E 00	2.5560E 00	4.4107E 00	7.0392E 00	1.0293E 01	1.3792E 01	1.6966E 01	1.9196E 01
THETAH	31.6	21.4	16.9	14.8	13.7	12.9	12.5	12.2	12.0
THETA(1)	48.7	41.1	35.8	32.7	30.6	29.3	28.4	27.8	27.4
THETA(2)	57.8	51.5	46.7	43.6	41.4	39.9	38.8	38.1	37.7
THETA(3)	67.9	62.7	58.7	56.0	54.0	52.6	51.5	50.8	50.3
THETA(4)	78.1	73.8	70.7	68.6	67.0	65.8	64.9	64.3	64.0
THETA(5)	88.1	84.7	82.4	81.0	79.9	79.2	78.6	78.2	78.0
THETA(6)	98.2	95.5	94.0	93.3	92.9	92.6	92.4	92.3	92.3
THETA(7)	108.5	106.5	105.8	105.8	106.0	106.2	106.4	106.6	106.7
THETA(8)	119.5	118.1	118.1	118.7	119.4	120.1	120.6	121.0	121.2
THETA(9)	131.3	130.5	131.2	132.4	133.4	134.3	135.0	135.5	135.8
THETA(10)	144.8	144.6	145.7	147.1	148.2	149.1	149.8	150.3	150.5
THETA(11)	160.9	161.0	162.1	163.1	163.8	164.4	164.8	165.1	165.2
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	63.3	42.9	33.8	29.7	27.4	25.9	24.9	24.3	24.0
BW(1)	97.4	82.2	71.6	65.3	61.3	58.6	56.7	55.5	54.8

N= 8 08= 15.

BETAO	2.804	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.446	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.338	0.178	0.114	0.080	0.058	0.042	0.030	0.019
G	12.87	23.81	29.84	33.42	35.76	37.34	38.42	39.12
G(08)	11.09	13.77	14.75	15.24	15.53	15.72	15.85	15.92
A(1)	7.6954E-01	1.0792E 00	1.7786E 00	2.6882E 00	3.7036E 00	4.7213E 00	5.6403E 00	6.3700E 00
A(2)	9.3874E-01	1.4119E 00	2.6824E 00	4.7529E 00	7.6226E 00	1.1090E 01	1.4730E 01	1.7963E 01
A(3)	1.0326E 00	1.6039E 00	3.2491E 00	6.1816E 00	1.0619E 01	1.6422E 01	2.2936E 01	2.9035E 01
THETAH	29.1	17.8	14.3	12.7	11.7	11.1	10.7	10.4
THETA(1)	44.6	35.5	30.9	28.1	26.3	25.2	24.4	23.8
THETA(2)	52.8	45.1	40.6	37.7	35.7	34.3	33.4	32.7
THETA(3)	61.9	55.4	51.5	48.8	46.8	45.4	44.4	43.7
THETA(4)	70.8	65.5	62.3	60.0	58.3	57.0	56.0	55.3
THETA(5)	79.6	75.2	72.7	71.0	69.6	68.6	67.9	67.3
THETA(6)	88.3	84.7	82.9	81.7	80.9	80.3	79.8	79.5
THETA(7)	96.9	94.1	93.0	92.4	92.1	91.9	91.8	91.7
THETA(8)	105.7	103.6	103.2	103.2	103.4	103.7	103.9	104.0
THETA(9)	114.9	113.4	113.7	114.3	115.0	115.6	116.1	116.5
THETA(10)	124.7	123.9	124.7	125.8	126.9	127.8	128.5	129.0
THETA(11)	135.4	135.2	136.6	138.0	139.3	140.3	141.1	141.6
THETA(12)	147.7	148.0	149.6	151.1	152.3	153.2	153.9	154.3
THETA(13)	162.4	163.0	164.2	165.2	166.0	166.5	166.9	167.1
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	58.1	35.6	28.6	25.3	23.4	22.2	21.4	20.9
BW(1)	89.2	71.0	61.7	56.2	52.7	50.3	48.7	47.7

N= 9 08= 15.

BETAO	2.845	2.827	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.452	0.450	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.297	0.280	0.137	0.088	0.061	0.045	0.032	0.023	0.014
G	14.40	15.53	28.28	34.18	37.61	39.81	41.28	42.27	42.89
G(08)	11.58	11.91	14.51	15.34	15.75	16.00	16.16	16.26	16.32
A(1)	6.8536E-01	6.8739E-01	1.1170E 00	1.9417E 00	3.0005E 00	4.1790E 00	5.3591E 00	6.4243E 00	7.2699E 00
A(2)	8.3215E-01	8.3505E-01	1.5069E 00	3.1200E 00	5.8139E 00	9.6365E 00	1.4334E 01	1.9322E 01	2.3786E 01
A(3)	9.3028E-01	9.3379E-01	1.7843E 00	4.0557E 00	8.3462E 00	1.5192E 01	2.4529E 01	3.5346E 01	4.5703E 01
A(4)	9.6478E-01	9.6851E-01	1.8848E 00	4.4127E 00	9.3705E 00	1.7573E 01	2.9132E 01	4.2900E 01	5.6374E 01
THETAH	27.0	25.6	15.2	12.4	11.0	10.2	9.7	9.4	9.1
THETA(1)	41.3	40.5	31.3	27.1	24.7	23.1	22.0	21.3	20.9
THETA(2)	48.9	48.2	40.1	36.0	33.3	31.4	30.2	29.3	28.7
THETA(3)	57.2	56.6	49.7	45.9	43.3	41.3	39.9	38.9	38.3
THETA(4)	65.3	64.8	59.0	55.7	53.4	51.6	50.2	49.2	48.5
THETA(5)	73.2	72.7	67.9	65.2	63.3	61.8	60.6	59.7	59.1
THETA(6)	80.9	80.5	76.5	74.4	72.9	71.8	70.9	70.2	69.8
THETA(7)	88.4	88.1	84.8	83.4	82.4	81.7	81.2	80.8	80.5
THETA(8)	96.0	95.7	93.1	92.3	91.9	91.6	91.5	91.4	91.3
THETA(9)	103.7	103.4	101.5	101.2	101.4	101.6	101.8	102.0	102.2
THETA(10)	111.6	111.4	110.1	110.4	111.0	111.7	112.3	112.7	113.1
THETA(11)	119.9	119.7	119.0	119.9	121.0	122.0	122.9	123.6	124.1
THETA(12)	128.8	128.6	128.6	130.0	131.5	132.7	133.8	134.6	135.1
THETA(13)	138.6	138.5	139.1	140.9	142.5	143.9	144.9	145.7	146.2
THETA(14)	150.0	149.9	150.9	152.8	154.4	155.5	156.4	157.0	157.4
THETA(15)	163.7	163.6	164.6	165.9	166.9	167.6	168.1	168.5	168.7
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	54.0	51.3	30.4	24.8	22.1	20.4	19.4	18.7	18.3
BW(1)	82.7	80.9	62.6	54.2	49.3	46.2	44.1	42.7	41.8

N=10 D8= 15.

BETAD	2.877	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.458	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.265	0.222	0.109	0.069	0.049	0.035	0.026	0.018
G	15.85	19.50	32.27	37.92	41.13	43.16	44.51	45.41
G(D8)	12.00	12.90	15.09	15.79	16.14	16.35	16.48	16.57
A(1)	6.1672E-01	6.3401E-01	1.1691E 00	2.1146E 00	3.3200E 00	4.6596E 00	6.0004E 00	7.2104E 00
A(2)	7.4350E-01	7.6809E-01	1.6247E 00	3.6052E 00	6.9942E 00	1.1897E 01	1.8002E 01	2.4541E 01
A(3)	8.3767E-01	8.6792E-01	1.9942E 00	4.9880E 00	1.0950E 01	2.0886E 01	3.4894E 01	5.1521E 01
A(4)	8.8786E-01	9.2121E-01	2.2013E 00	5.8236E 00	1.3546E 01	2.7275E 01	4.7786E 01	7.3347E 01
THETAH	25.3	21.7	13.3	11.0	9.8	9.1	8.6	8.3
THETA(1)	38.7	36.3	28.0	24.2	22.0	20.6	19.6	19.0
THETA(2)	45.8	43.7	36.2	32.2	29.7	28.0	26.9	26.1
THETA(3)	53.4	51.7	45.2	41.4	38.8	37.0	35.6	34.7
THETA(4)	60.9	59.4	53.8	50.5	48.1	46.2	44.9	43.9
THETA(5)	68.1	66.8	62.1	59.2	57.1	55.5	54.2	53.3
THETA(6)	75.0	73.9	70.0	67.7	66.0	64.6	63.5	62.7
THETA(7)	81.8	80.9	77.6	75.8	74.6	73.6	72.8	72.2
THETA(8)	88.6	87.7	85.1	83.9	83.1	82.5	82.0	81.6
THETA(9)	95.3	94.5	92.5	91.8	91.5	91.3	91.2	91.1
THETA(10)	102.1	101.4	100.0	99.8	99.9	100.2	100.4	100.6
THETA(11)	109.0	108.5	107.6	107.9	108.5	109.1	109.7	110.1
THETA(12)	116.2	115.8	115.4	116.3	117.3	118.3	119.1	119.8
THETA(13)	123.9	123.5	123.7	125.1	126.5	127.7	128.7	129.5
THETA(14)	132.1	131.8	132.6	134.4	136.1	137.5	138.6	139.4
THETA(15)	141.3	141.1	142.4	144.4	146.2	147.6	148.6	149.4
THETA(16)	151.9	151.7	153.4	155.4	156.9	158.1	158.9	159.5
THETA(17)	164.7	164.6	166.0	167.3	168.3	169.0	169.4	169.7
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	50.7	43.4	26.6	21.9	19.6	18.2	17.2	16.7
BW(1)	77.4	72.5	55.9	48.3	43.9	41.1	39.2	38.0

N=11 D8= 15.

BETAD	2.903	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.462	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.239	0.181	0.088	0.056	0.040	0.029	0.021	0.015
G	17.22	23.30	35.78	41.10	44.07	45.93	47.15	47.97
G(D8)	12.36	13.67	15.54	16.14	16.44	16.62	16.74	16.81
A(1)	5.5997E-01	6.0150E-01	1.2309E 00	2.2943E 00	3.6446E 00	5.1440E 00	6.6443E 00	7.9980E 00
A(2)	6.6972E-01	7.2813E-01	1.7611E 00	4.1367E 00	8.2938E 00	1.4405E 01	2.2096E 01	3.0387E 01
A(3)	7.5689E-01	8.2966E-01	2.2331E 00	6.0565E 00	1.4035E 01	2.7826E 01	4.7798E 01	7.1959E 01
A(4)	8.1295E-01	8.9494E-01	2.5594E 00	7.5192E 00	1.8889E 01	4.0352E 01	7.3958E 01	1.1736E 02
A(5)	8.3229E-01	9.1758E-01	2.6759E 00	8.0668E 00	2.0799E 01	4.5520E 01	8.5214E 01	1.3759E 02
THETAH	23.9	18.7	11.9	9.8	8.8	8.2	7.8	7.5
THETA(1)	36.5	32.9	25.3	21.8	19.8	18.5	17.7	17.1
THETA(2)	43.1	40.0	33.0	29.2	26.9	25.3	24.2	23.5
THETA(3)	50.3	47.7	41.4	37.7	35.2	33.4	32.2	31.3
THETA(4)	57.3	55.0	49.5	46.2	43.7	41.9	40.6	39.6
THETA(5)	63.9	62.0	57.3	54.3	52.1	50.4	49.1	48.1
THETA(6)	70.3	68.6	64.6	62.1	60.2	58.7	57.6	56.7
THETA(7)	76.6	75.0	71.7	69.7	68.2	67.0	66.0	65.3
THETA(8)	82.7	81.3	78.6	77.0	75.9	75.0	74.3	73.8
THETA(9)	88.7	87.5	85.3	84.3	83.6	83.1	82.7	82.4
THETA(10)	94.7	93.7	92.0	91.5	91.2	91.1	91.0	90.9
THETA(11)	100.8	99.9	98.8	98.7	98.8	99.1	99.3	99.5
THETA(12)	107.0	106.2	105.6	106.0	106.6	107.1	107.6	108.1
THETA(13)	113.4	112.7	112.6	113.5	114.5	115.4	116.1	116.7
THETA(14)	120.1	119.5	119.9	121.2	122.6	123.8	124.7	125.5
THETA(15)	127.2	126.8	127.7	129.4	131.0	132.4	133.5	134.3
THETA(16)	134.9	134.6	136.0	138.1	139.9	141.3	142.5	143.3
THETA(17)	143.5	143.3	145.2	147.4	149.2	150.6	151.6	152.3
THETA(18)	153.4	153.4	155.4	157.5	159.1	160.2	161.0	161.5
THETA(19)	165.5	165.5	167.1	168.5	169.4	170.0	170.4	170.7
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	47.9	37.4	23.7	19.6	17.6	16.3	15.5	15.0
BW(1)	73.1	65.7	50.5	43.6	39.6	37.1	35.3	34.2

N=12 D8= 15.

BETAD	2.924	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.465	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.218	0.150	0.073	0.047	0.033	0.024	0.017	0.012
G	18.51	26.84	38.84	43.80	46.53	48.22	49.33	50.04
G(D8)	12.67	14.29	15.89	16.42	16.68	16.83	16.93	16.99
A(1)	5.1242E-01	5.8266E-01	1.2994E 00	2.4789E 00	3.9730E 00	5.6312E 00	7.2900E 00	8.7867E 00
A(2)	6.0790E-01	7.0611E-01	1.9133E 00	4.7134E 00	9.7129E 00	1.7162E 01	2.6615E 01	3.6861E 01
A(3)	6.8729E-01	8.1014E-01	2.5007E 00	7.2705E 00	1.7646E 01	3.6140E 01	6.3521E 01	9.7162E 01
A(4)	7.4419E-01	8.8537E-01	2.9634E 00	9.5367E 00	2.5598E 01	5.7489E 01	1.0941E 02	1.7844E 02
A(5)	7.7388E-01	9.2485E-01	3.2185E 00	1.0873E 01	3.0628E 01	7.1914E 01	1.4226E 02	2.3946E 02
THETAH	22.7	16.5	10.7	8.9	8.0	7.4	7.1	6.8
THETA(1)	34.7	30.0	23.0	19.9	18.0	16.9	16.1	15.6
THETA(2)	40.9	37.0	30.3	26.7	24.5	23.0	22.0	21.4
THETA(3)	47.7	44.3	38.2	34.6	32.2	30.5	29.3	28.5
THETA(4)	54.2	51.3	45.9	42.5	40.1	38.3	37.0	36.1
THETA(5)	60.4	57.9	53.2	50.2	47.9	46.1	44.8	43.9
THETA(6)	66.4	64.2	60.1	57.5	55.5	53.9	52.6	51.7
THETA(7)	72.2	70.2	66.8	64.5	62.8	61.4	60.4	59.5
THETA(8)	77.8	76.0	73.2	71.4	70.0	68.9	68.0	67.4
THETA(9)	83.3	81.8	79.4	78.1	77.1	76.3	75.7	75.2
THETA(10)	88.8	87.4	85.6	84.7	84.1	83.6	83.2	83.0
THETA(11)	94.3	93.0	91.7	91.2	91.0	90.9	90.8	90.7
THETA(12)	99.8	98.7	97.8	97.8	98.0	98.2	98.4	98.5
THETA(13)	105.4	104.5	104.0	104.4	105.0	105.5	106.0	106.4
THETA(14)	111.1	110.3	110.4	111.2	112.1	113.0	113.7	114.2
THETA(15)	117.1	116.4	116.9	118.2	119.4	120.6	121.5	122.2
THETA(16)	123.3	122.8	123.8	125.4	127.0	128.3	129.4	130.2
THETA(17)	129.9	129.6	131.1	133.1	134.9	136.3	137.5	138.3
THETA(18)	137.2	137.0	138.9	141.2	143.1	144.6	145.7	146.5
THETA(19)	145.3	145.3	147.6	149.9	151.8	153.1	154.1	154.8
THETA(20)	154.8	154.9	157.2	159.4	160.9	161.9	162.6	163.2
THETA(21)	166.2	166.4	168.1	169.5	170.3	170.9	171.3	171.6
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	45.5	32.9	21.4	17.8	16.0	14.8	14.1	13.6
BW(1)	69.3	60.1	46.1	39.7	36.0	33.7	32.2	31.1

N=13 D8= 15.

BETA0	2.942	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMB0A	0.468	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.200	0.126	0.062	0.039	0.028	0.020	0.015
G	19.74	30.09	41.50	46.10	48.59	50.12	51.12
G(D8)	12.95	14.78	16.18	16.64	16.87	17.00	17.09
A(1)	4.7208E-01	5.7324E-01	1.3727E 00	2.6671E 00	4.3042E 00	6.1204E 00	7.9371E 00
A(2)	5.5565E-01	6.9647E-01	2.0794E 00	5.3347E 00	1.1251E 01	2.0168E 01	3.1561E 01
A(3)	6.2747E-01	8.0453E-01	2.7967E 00	8.6392E 00	2.1823E 01	4.5953E 01	8.2344E 01
A(4)	6.8268E-01	8.8880E-01	3.4168E 00	1.1915E 01	3.3881E 01	7.9437E 01	1.5608E 02
A(5)	7.1743E-01	9.4236E-01	3.8379E 00	1.4338E 01	4.3629E 01	1.0883E 02	2.2560E 02
A(6)	7.2930E-01	9.6073E-01	3.9870E 00	1.5234E 01	4.7386E 01	1.2062E 02	2.5448E 02
THETAH	21.7	14.7	9.7	8.1	7.3	6.8	6.5
THETA(1)	33.1	27.7	21.2	18.2	16.5	15.5	14.7
THETA(2)	39.0	34.4	28.0	24.6	22.5	21.2	20.2
THETA(3)	45.4	41.4	35.5	32.0	29.7	28.0	26.9
THETA(4)	51.6	48.1	42.8	39.4	37.0	35.3	34.0
THETA(5)	57.5	54.4	49.7	46.6	44.3	42.5	41.2
THETA(6)	63.1	60.4	56.3	53.5	51.4	49.7	48.4
THETA(7)	68.5	66.1	62.6	60.2	58.3	56.8	55.6
THETA(8)	73.7	71.6	68.6	66.6	65.0	63.7	62.7
THETA(9)	78.8	76.9	74.4	72.8	71.6	70.6	69.8
THETA(10)	83.9	82.2	80.1	79.0	78.1	77.3	76.8
THETA(11)	88.9	87.4	85.8	85.0	84.5	84.0	83.7
THETA(12)	93.9	92.6	91.4	91.0	90.8	90.7	90.7
THETA(13)	98.9	97.8	97.0	97.1	97.2	97.4	97.6
THETA(14)	104.0	103.0	102.7	103.1	103.7	104.2	104.6
THETA(15)	109.2	108.4	108.5	109.3	110.2	111.0	111.7
THETA(16)	114.6	113.9	114.5	115.7	116.9	117.9	118.8
THETA(17)	120.2	119.6	120.7	122.2	123.7	125.0	126.0
THETA(18)	126.0	125.7	127.2	129.1	130.8	132.2	133.4
THETA(19)	132.3	132.1	134.1	136.3	138.2	139.7	140.8
THETA(20)	139.2	139.2	141.5	143.9	145.9	147.4	148.4
THETA(21)	146.9	147.1	149.7	152.1	153.9	155.3	156.2
THETA(22)	155.9	156.2	158.8	160.9	162.4	163.4	164.1
THETA(23)	166.8	167.2	169.0	170.3	171.1	171.6	172.0
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	43.4	29.4	19.5	16.3	14.6	13.6	12.9
BW(1)	66.1	55.4	42.3	36.4	33.1	30.9	29.5

N=14 D8= 15.

BETA0	2.957	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMB0A	0.470	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.185	0.108	0.053	0.034	0.024	0.017	0.012
G	20.90	33.04	43.80	48.04	50.32	51.71	52.60
G(D8)	13.20	15.19	16.41	16.82	17.02	17.14	17.21
A(1)	4.3748E-01	5.7054E-01	1.4498E 00	2.8581E 00	4.6376E 00	6.6112E 00	8.5853E 00
A(2)	5.1109E-01	6.9574E-01	2.2582E 00	6.0000E 00	1.2909E 01	2.3422E 01	3.6934E 01
A(3)	5.7592E-01	8.0909E-01	3.1213E 00	1.0171E 01	2.6609E 01	5.7389E 01	1.0455E 02
A(4)	6.2824E-01	9.0247E-01	3.9230E 00	1.4692E 01	4.3962E 01	1.0701E 02	2.1609E 02
A(5)	6.6498E-01	9.6896E-01	4.5426E 00	1.8568E 01	6.0481E 01	1.5903E 02	3.4321E 02
A(6)	6.8392E-01	1.0035E 00	4.8806E 00	2.0812E 01	7.0642E 01	1.9287E 02	4.3007E 02
THETAH	20.8	13.3	8.9	7.5	6.7	6.3	6.0
THETA(1)	31.7	25.7	19.6	16.8	15.3	14.3	13.6
THETA(2)	37.3	32.1	26.0	22.8	20.8	19.6	18.7
THETA(3)	43.4	38.9	33.1	29.7	27.5	25.9	24.9
THETA(4)	49.3	45.4	40.1	36.7	34.4	32.7	31.5
THETA(5)	54.9	51.4	46.7	43.5	41.2	39.5	38.2
THETA(6)	60.2	57.1	53.0	50.1	47.9	46.2	44.9
THETA(7)	65.3	62.6	58.9	56.4	54.4	52.8	51.6
THETA(8)	70.2	67.8	64.6	62.4	60.7	59.3	58.2
THETA(9)	75.0	72.8	70.1	68.3	66.9	65.7	64.7
THETA(10)	79.7	77.7	75.5	74.1	72.9	72.0	71.3
THETA(11)	84.4	82.6	80.8	79.7	78.9	78.2	77.7
THETA(12)	89.0	87.4	86.0	85.3	84.8	84.4	84.1
THETA(13)	93.6	92.2	91.2	90.9	90.7	90.6	90.6
THETA(14)	98.2	97.0	96.4	96.4	96.6	96.8	97.0
THETA(15)	102.9	101.8	101.7	102.1	102.6	103.0	103.4
THETA(16)	107.7	106.8	107.0	107.8	108.6	109.3	109.9
THETA(17)	112.5	111.8	112.4	113.6	114.7	115.7	116.5
THETA(18)	117.6	117.0	118.1	119.6	121.0	122.2	123.2
THETA(19)	122.9	122.5	123.9	125.8	127.4	128.8	129.9
THETA(20)	128.4	128.2	130.1	132.2	134.1	135.6	136.7
THETA(21)	134.4	134.4	136.7	139.1	141.0	142.6	143.7
THETA(22)	141.0	141.1	143.8	146.3	148.3	149.7	150.8
THETA(23)	148.3	148.7	151.6	154.0	155.8	157.1	158.0
THETA(24)	156.9	157.4	160.2	162.3	163.7	164.6	165.3
THETA(25)	167.4	167.8	169.8	171.0	171.8	172.3	172.6
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	41.6	26.6	17.9	15.0	13.5	12.5	11.9
BW(1)	63.3	51.4	39.2	33.7	30.5	28.6	27.2

N=15 08= 15.

BETA0	2.970	2.827	2.513	2.199	1.885	1.571	1.257
D/LAM80A	0.472	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.172	0.093	0.046	0.029	0.020	0.015	0.011
G	22.00	35.69	45.79	49.71	51.78	53.04	53.80
G(08)	13.42	15.53	16.61	16.96	17.14	17.25	17.31
A(1)	4.0749E-01	5.7276E-01	1.5297E 00	3.0513E 00	4.9726E 00	7.1034E 00	9.2344E 00
A(2)	4.7273E-01	7.0163E-01	2.4489E 00	6.7091E 00	1.4687E 01	2.6926E 01	4.2735E 01
A(3)	5.3128E-01	8.2146E-01	3.4749E 00	1.1876E 01	3.2045E 01	7.0575E 01	1.3041E 02
A(4)	5.8026E-01	9.2442E-01	4.4852E 00	1.7911E 01	5.6080E 01	1.4108E 02	2.9175E 02
A(5)	6.1716E-01	1.0036E 00	5.3412E 00	2.3675E 01	8.1950E 01	2.2573E 02	5.0456E 02
A(6)	6.4012E-01	1.0534E 00	5.9150E 00	2.7847E 01	1.0216E 02	2.9668E 02	6.9416E 02
A(7)	6.4789E-01	1.0704E 00	6.1171E 00	2.9372E 01	1.0983E 02	3.2455E 02	7.7089E 02
THETAH	20.0	12.1	8.3	6.9	6.3	5.8	5.5
THETA(1)	30.4	23.9	18.2	15.7	14.2	13.3	12.6
THETA(2)	35.9	30.2	24.3	21.2	19.4	18.2	17.4
THETA(3)	41.7	36.7	31.1	27.7	25.6	24.1	23.1
THETA(4)	47.3	43.0	37.7	34.4	32.1	30.4	29.3
THETA(5)	52.6	48.8	44.1	40.8	38.5	36.8	35.5
THETA(6)	57.7	54.3	50.0	47.1	44.8	43.1	41.8
THETA(7)	62.5	59.5	55.7	53.0	51.0	49.3	48.1
THETA(8)	67.2	64.4	61.1	58.8	56.9	55.4	54.3
THETA(9)	71.7	69.2	66.4	64.4	62.8	61.5	60.4
THETA(10)	76.1	73.9	71.5	69.8	68.5	67.4	66.5
THETA(11)	80.5	78.5	76.5	75.1	74.1	73.2	72.5
THETA(12)	84.8	83.0	81.4	80.4	79.6	79.0	78.5
THETA(13)	89.0	87.4	86.2	85.6	85.1	84.8	84.5
THETA(14)	93.3	91.9	91.0	90.8	90.6	90.5	90.5
THETA(15)	97.6	96.4	95.9	95.9	96.1	96.3	96.5
THETA(16)	101.9	100.9	100.7	101.1	101.6	102.1	102.5
THETA(17)	106.3	105.4	105.7	106.4	107.2	107.9	108.5
THETA(18)	110.8	110.1	110.7	111.8	112.9	113.8	114.6
THETA(19)	115.4	114.9	115.9	117.3	118.6	119.8	120.7
THETA(20)	120.2	119.8	121.2	123.0	124.6	125.9	126.9
THETA(21)	125.2	125.0	126.8	128.9	130.7	132.1	133.3
THETA(22)	130.5	130.5	132.7	135.0	137.0	138.5	139.7
THETA(23)	136.2	136.4	139.0	141.5	143.5	145.1	146.2
THETA(24)	142.5	142.9	145.8	148.4	150.3	151.8	152.8
THETA(25)	149.6	150.1	153.2	155.7	157.4	158.7	159.5
THETA(26)	157.8	158.5	161.4	163.5	164.8	165.7	166.3
THETA(27)	167.9	168.5	170.4	171.6	172.3	172.8	173.1
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	40.0	24.3	16.5	13.9	12.5	11.6	11.1
BW(1)	60.9	47.9	36.4	31.3	28.4	26.5	25.3

N=20 08= 15.

BETA0	3.015	2.827	2.513	2.199	1.885	1.571
D/LAM80A	0.480	0.450	0.400	0.350	0.300	0.250
ALPHA	0.127	0.051	0.025	0.016	0.011	0.008
G	26.76	45.36	52.52	55.13	56.47	56.99
G(08)	14.27	16.57	17.20	17.41	17.52	17.56
A(1)	3.0296E-01	6.2545E-01	1.9548E 00	4.0380E 00	6.6645E 00	9.5763E 00
A(2)	3.4160E-01	7.9017E-01	3.5637E 00	1.0903E 01	2.5366E 01	4.8190E 01
A(3)	3.7811E-01	9.5801E-01	5.6957E 00	2.3294E 01	7.0427E 01	1.6712E 02
A(4)	4.1152E-01	1.1215E 00	8.2548E 00	4.2183E 01	1.5654E 02	4.4389E 02
A(5)	4.4093E-01	1.2730E 00	1.1052E 01	6.7065E 01	2.9204E 02	9.5362E 02
A(6)	4.6551E-01	1.4049E 00	1.3823E 01	9.5533E 01	4.6997E 02	1.7110E 03
A(7)	4.8459E-01	1.5104E 00	1.6265E 01	1.2348E 02	6.6361E 02	2.6155E 03
A(8)	4.9762E-01	1.5841E 00	1.8089E 01	1.4595E 02	8.3093E 02	3.4496E 03
A(9)	5.0422E-01	1.6222E 00	1.9064E 01	1.5851E 02	9.2844E 02	3.9548E 03
THETAH	17.0	8.5	6.0	5.1	4.6	4.3
THETA(1)	25.9	17.9	13.5	11.6	10.5	9.8
THETA(2)	30.4	23.2	18.2	15.8	14.3	13.4
THETA(3)	35.3	28.8	23.7	20.8	19.0	17.9
THETA(4)	40.0	34.2	29.1	26.0	24.0	22.6
THETA(5)	44.4	39.2	34.3	31.2	29.0	27.5
THETA(6)	48.6	43.8	39.3	36.2	33.9	32.3
THETA(7)	52.6	48.2	44.0	41.0	38.8	37.1
THETA(8)	56.3	52.4	48.6	45.7	43.5	41.8
THETA(9)	60.0	56.3	52.9	50.2	48.1	46.5
THETA(10)	63.5	60.2	57.0	54.6	52.7	51.1
THETA(11)	66.9	63.8	61.0	58.9	57.1	55.6
THETA(12)	70.2	67.4	64.9	63.0	61.4	60.1
THETA(13)	73.5	70.9	68.8	67.1	65.7	64.5
THETA(14)	76.7	74.4	72.5	71.1	69.9	68.9
THETA(15)	79.9	77.8	76.2	75.0	74.0	73.2
THETA(16)	83.0	81.1	79.8	78.9	78.1	77.5
THETA(17)	86.2	84.4	83.4	82.8	82.2	81.8
THETA(18)	89.3	87.7	87.0	86.6	86.3	86.0
THETA(19)	92.4	91.0	90.6	90.4	90.3	90.3
THETA(20)	95.5	94.3	94.1	94.2	94.4	94.5
THETA(21)	98.7	97.6	97.7	98.1	98.5	98.8
THETA(22)	101.8	101.0	101.3	101.9	102.5	103.1
THETA(23)	105.0	104.3	105.0	105.8	106.7	107.4
THETA(24)	108.3	107.8	108.7	109.8	110.8	111.7
THETA(25)	111.6	111.3	112.5	113.8	115.1	116.1
THETA(26)	115.0	114.8	116.3	117.9	119.3	120.6
THETA(27)	118.5	118.5	120.3	122.1	123.7	125.1
THETA(28)	122.1	122.2	124.3	126.4	128.2	129.7
THETA(29)	125.8	126.2	128.6	130.9	132.8	134.3
THETA(30)	129.7	130.3	133.0	135.5	137.5	139.1
THETA(31)	133.8	134.6	137.6	140.2	142.3	143.9
THETA(32)	138.2	139.2	142.5	145.2	147.3	148.8
THETA(33)	142.9	144.2	147.7	150.5	152.4	153.8
THETA(34)	148.2	149.7	153.3	155.9	157.7	159.0
THETA(35)	154.1	155.8	159.3	161.6	163.1	164.1
THETA(36)	161.1	162.8	165.8	167.6	168.7	169.4
THETA(37)	169.7	170.9	172.8	173.8	174.3	174.7
THETA(38)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	34.1	17.0	12.0	10.2	9.2	8.6
BW(1)	51.7	35.8	27.0	23.1	20.9	19.6

N=25 D8= 15.

BETAO	3.041	2.827	2.513	2.199	1.885
D/LAMBDA	0.484	0.450	0.400	0.350	0.300
ALPHA	0.101	0.032	0.016	0.010	0.007
G	30.53	50.98	56.11	57.91	58.61
G(D8)	14.85	17.07	17.49	17.63	17.68
A(1)	2.4080E-01	7.1112E-01	2.4024E 00	5.0430E 00	8.3711E 00
A(2)	2.6617E-01	9.3236E-01	4.9275E 00	1.6169E 01	3.9029E 01
A(3)	2.9066E-01	1.1721E 00	8.7366E 00	4.0338E 01	1.3127E 02
A(4)	3.1386E-01	1.4229E 00	1.3956E 01	8.4652E 01	3.5178E 02
A(5)	3.3539E-01	1.6761E 00	2.0540E 01	1.5552E 02	7.9080E 02
A(6)	3.5490E-01	1.9224E 00	2.8231E 01	2.5608E 02	1.5375E 03
A(7)	3.7201E-01	2.1520E 00	3.6561E 01	3.8370E 02	2.6367E 03
A(8)	3.8647E-01	2.3552E 00	4.4885E 01	5.2849E 02	4.0421E 03
A(9)	3.9796E-01	2.5236E 00	5.2456E 01	6.7382E 02	5.5905E 03
A(10)	4.0638E-01	2.6496E 00	5.8525E 01	7.9907E 02	7.0196E 03
A(11)	4.1142E-01	2.7275E 00	6.2455E 01	8.8411E 02	8.0345E 03
A(12)	4.1312E-01	2.7538E 00	6.3815E 01	9.1424E 02	8.4024E 03
THETAH	15.1	6.6	4.7	4.0	3.6
THETA(1)	22.9	14.3	10.7	9.2	8.3
THETA(2)	26.9	18.8	14.5	12.5	11.4
THETA(3)	31.2	23.8	19.1	16.6	15.1
THETA(4)	35.3	28.5	23.7	20.9	19.1
THETA(5)	39.2	33.0	28.1	25.2	23.2
THETA(6)	42.8	37.1	32.4	29.4	27.2
THETA(7)	46.2	41.0	36.5	33.4	31.2
THETA(8)	49.5	44.6	40.4	37.4	35.2
THETA(9)	52.6	48.1	44.2	41.3	39.0
THETA(10)	55.6	51.4	47.8	45.0	42.8
THETA(11)	58.5	54.6	51.3	48.6	46.5
THETA(12)	61.3	57.7	54.6	52.2	50.2
THETA(13)	64.1	60.7	57.9	55.6	53.7
THETA(14)	66.7	63.7	61.1	59.0	57.2
THETA(15)	69.4	66.5	64.2	62.3	60.7
THETA(16)	72.0	69.3	67.2	65.5	64.1
THETA(17)	74.5	72.1	70.2	68.7	67.4
THETA(18)	77.1	74.8	73.2	71.9	70.8
THETA(19)	79.6	77.5	76.1	75.0	74.1
THETA(20)	82.1	80.1	79.0	78.1	77.3
THETA(21)	84.5	82.8	81.8	81.1	80.6
THETA(22)	87.0	85.4	84.7	84.2	83.8
THETA(23)	89.4	88.0	87.5	87.2	87.0
THETA(24)	91.9	90.6	90.4	90.3	90.2
THETA(25)	94.3	93.3	93.2	93.3	93.4
THETA(26)	96.8	95.9	96.0	96.3	96.6
THETA(27)	99.3	98.5	98.9	99.4	99.9
THETA(28)	101.8	101.2	101.7	102.5	103.1
THETA(29)	104.3	103.8	104.6	105.5	106.4
THETA(30)	106.9	106.5	107.6	108.7	109.7
THETA(31)	109.4	109.3	110.5	111.8	113.0
THETA(32)	112.0	112.1	113.5	115.0	116.4
THETA(33)	114.7	114.9	116.6	118.3	119.8
THETA(34)	117.4	117.8	119.7	121.6	123.3
THETA(35)	120.2	120.8	123.0	125.0	126.8
THETA(36)	123.1	123.8	126.2	128.5	130.4
THETA(37)	126.1	127.0	129.6	132.1	134.1
THETA(38)	129.1	130.2	133.2	135.7	137.8
THETA(39)	132.4	133.6	136.8	139.5	141.6
THETA(40)	135.7	137.2	140.7	143.4	145.6
THETA(41)	139.3	141.0	144.7	147.5	149.6
THETA(42)	143.1	145.1	148.9	151.7	153.7
THETA(43)	147.3	149.5	153.4	156.1	157.9
THETA(44)	151.9	154.3	158.2	160.6	162.2
THETA(45)	157.1	159.7	163.2	165.3	166.6
THETA(46)	163.3	165.7	168.6	170.1	171.0
THETA(47)	170.8	172.6	174.2	175.0	175.5
THETA(48)	180.0	180.0	180.0	180.0	180.0
BW(H)	30.2	13.2	9.5	8.1	7.3
BW(1)	45.8	28.6	21.4	18.3	16.6

N=30 D8= 15.

BETAO	3.059	2.827	2.513	2.199
D/LAMBDA	0.487	0.450	0.400	0.350
ALPHA	0.083	0.022	0.011	0.007
G	33.60	54.41	58.19	59.49
G(D8)	15.26	17.36	17.65	17.74
A(1)	1.9970E-01	8.1070E-01	2.8605E 00	6.0569E 00
A(2)	2.1758E-01	1.1053E 00	6.5287E 00	2.2502E 01
A(3)	2.3503E-01	1.4406E 00	1.2698E 01	6.4103E 01
A(4)	2.5186E-01	1.8104E 00	2.2089E 01	1.5244E 02
A(5)	2.6787E-01	2.2060E 00	3.5265E 01	3.1607E 02
A(6)	2.8289E-01	2.6169E 00	5.2478E 01	5.8639E 02
A(7)	2.9672E-01	3.0306E 00	7.3544E 01	9.8994E 02
A(8)	3.0923E-01	3.4339E 00	9.7752E 01	1.5384E 03
A(9)	3.2024E-01	3.8129E 00	1.2386E 02	2.2191E 03
A(10)	3.2969E-01	4.1539E 00	1.5017E 02	2.9890E 03
A(11)	3.3734E-01	4.4441E 00	1.7470E 02	3.7760E 03
A(12)	3.4315E-01	4.6723E 00	1.9537E 02	4.4880E 03
A(13)	3.4711E-01	4.8297E 00	2.1035E 02	5.0301E 03
A(14)	3.4918E-01	4.9100E 00	2.1822E 02	5.3234E 03
THETAH	13.7	5.4	3.9	3.3
THETA(1)	20.7	11.9	8.9	7.6
THETA(2)	24.4	15.8	12.1	10.4
THETA(3)	28.3	20.2	15.9	13.8
THETA(4)	32.0	24.5	19.9	17.4
THETA(5)	35.4	28.5	23.8	21.1
THETA(6)	38.7	32.3	27.6	24.7
THETA(7)	41.7	35.8	31.2	28.2
THETA(8)	44.6	39.1	34.7	31.6
THETA(9)	47.4	42.2	38.0	35.0
THETA(10)	50.1	45.3	41.2	38.3
THETA(11)	52.6	48.1	44.3	41.5
THETA(12)	55.1	50.9	47.3	44.6
THETA(13)	57.5	53.6	50.2	47.6
THETA(14)	59.9	56.2	53.1	50.6
THETA(15)	62.2	58.7	55.8	53.5
THETA(16)	64.4	61.2	58.5	56.3
THETA(17)	66.7	63.6	61.1	59.1
THETA(18)	68.8	66.0	63.7	61.8
THETA(19)	71.0	68.3	66.2	64.5
THETA(20)	73.1	70.6	68.7	67.2
THETA(21)	75.2	72.9	71.2	69.8
THETA(22)	77.3	75.1	73.6	72.4
THETA(23)	79.4	77.4	76.1	75.0
THETA(24)	81.4	79.6	78.5	77.6
THETA(25)	83.5	81.8	80.8	80.1
THETA(26)	85.5	83.9	83.2	82.6
THETA(27)	87.5	86.1	85.5	85.2
THETA(28)	89.5	88.3	87.9	87.7
THETA(29)	91.6	90.4	90.2	90.2
THETA(30)	93.6	92.6	92.6	92.7
THETA(31)	95.6	94.8	94.9	95.2
THETA(32)	97.6	97.0	97.3	97.7
THETA(33)	99.7	99.1	99.7	100.3
THETA(34)	101.7	101.3	102.0	102.8
THETA(35)	103.8	103.5	104.4	105.4
THETA(36)	105.9	105.8	106.9	108.0
THETA(37)	108.0	108.0	109.3	110.6
THETA(38)	110.2	110.3	111.8	113.2
THETA(39)	112.3	112.6	114.3	115.9
THETA(40)	114.5	115.0	116.8	118.6
THETA(41)	116.8	117.4	119.4	121.3
THETA(42)	119.1	119.8	122.1	124.1
THETA(43)	121.4	122.3	124.8	127.0
THETA(44)	123.8	124.9	127.5	129.9
THETA(45)	126.2	127.5	130.4	132.9
THETA(46)	128.8	130.2	133.3	135.9
THETA(47)	131.4	133.1	136.4	139.1
THETA(48)	134.1	136.0	139.5	142.3
THETA(49)	137.0	139.1	142.8	145.6
THETA(50)	140.0	142.3	146.2	149.0
THETA(51)	143.2	145.8	149.7	152.6
THETA(52)	146.6	149.4	153.5	156.2
THETA(53)	150.4	153.4	157.4	159.9
THETA(54)	154.5	157.7	161.6	163.8
THETA(55)	159.2	162.5	165.9	167.8
THETA(56)	164.8	167.9	170.5	171.8
THETA(57)	171.7	173.7	175.2	175.9
THETA(58)	180.0	180.0	180.0	180.0
BW(H)	27.4	10.8	7.8	6.7
BW(1)	41.5	23.7	17.7	15.2

N= 3 08= 20.

BETAO	2.011	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBOA	0.320	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.131	1.012	0.765	0.569	0.404	0.260	0.127
G	3.61	4.18	5.40	6.34	7.04	7.52	7.80
G(08)	5.57	6.21	7.32	8.02	8.48	8.76	8.92
A(1)	1.6364E 00	1.6418E 00	1.6923E 00	1.7724E 00	1.8586E 00	1.9329E 00	1.9826E 00
THETAH	62.6	57.2	48.0	42.9	39.9	38.2	37.3
THETA(1)	104.9	102.4	97.4	94.0	91.6	90.0	89.1
THETA(2)	124.2	122.4	119.1	116.9	115.4	114.4	113.9
THETA(3)	150.1	149.2	147.6	146.7	146.1	145.8	145.6
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	125.1	114.4	96.1	85.8	79.8	76.4	74.5
BW(1)	209.8	204.7	194.8	187.9	183.1	180.0	178.2

N= 4 08= 20.

BETAO	2.277	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.362	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.865	0.791	0.570	0.420	0.307	0.216	0.138	0.067
G	5.36	6.15	8.88	10.97	12.54	13.68	14.46	14.92
G(08)	7.30	7.89	9.48	10.40	10.98	11.36	11.60	11.74
A(1)	1.7357E 00	1.7430E 00	1.8791E 00	2.1106E 00	2.3726E 00	2.6212E 00	2.8233E 00	2.9545E 00
THETAH	50.1	46.2	36.3	31.6	28.9	27.4	26.4	25.9
THETA(1)	81.7	79.5	73.2	69.0	66.2	64.2	63.0	62.3
THETA(2)	95.1	93.4	88.4	85.2	82.9	81.4	80.4	79.8
THETA(3)	112.3	111.1	107.6	105.5	104.1	103.2	102.7	102.4
THETA(4)	132.1	131.3	129.2	128.2	127.7	127.5	127.4	127.3
THETA(5)	154.7	154.3	153.4	153.1	153.1	153.2	153.3	153.4
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	100.1	92.4	72.7	63.1	57.8	54.7	52.8	51.8
BW(1)	163.3	159.1	146.3	138.0	132.3	128.5	125.9	124.5

N= 5 08= 20.

BETAO	2.455	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.390	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.687	0.491	0.348	0.254	0.185	0.130	0.083	0.040
G	7.23	11.47	15.48	18.47	20.70	22.31	23.40	24.04
G(08)	8.59	10.60	11.90	12.67	13.16	13.48	13.69	13.81
A(1)	1.6085E 00	1.7275E 00	2.0686E 00	2.5033E 00	2.9579E 00	3.3756E 00	3.7106E 00	3.9256E 00
A(2)	1.9319E 00	2.1011E 00	2.6035E 00	3.2867E 00	4.0516E 00	4.8000E 00	5.4305E 00	5.8519E 00
THETAH	42.5	31.9	26.1	23.3	21.7	20.7	20.1	19.8
THETA(1)	68.4	61.5	56.3	52.9	50.6	49.1	48.1	47.5
THETA(2)	79.0	73.3	68.9	65.9	63.9	62.4	61.5	60.9
THETA(3)	92.0	87.6	84.2	82.0	80.5	79.4	78.7	78.3
THETA(4)	106.2	102.9	100.7	99.3	98.5	97.9	97.6	97.4
THETA(5)	121.6	119.3	118.1	117.6	117.4	117.4	117.4	117.5
THETA(6)	138.7	137.3	136.9	137.0	137.3	137.6	137.9	138.1
THETA(7)	158.1	157.5	157.6	157.9	158.3	158.6	158.8	159.0
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	85.0	63.8	52.3	46.6	43.4	41.4	40.2	39.5
BW(1)	136.8	123.0	112.6	105.9	101.3	98.2	96.2	95.0

N= 6 08= 20.

BETAO	2.576	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBOA	0.410	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.566	0.508	0.328	0.231	0.169	0.123	0.086	0.055	0.027
G	9.13	10.88	18.20	23.48	27.36	30.23	32.30	33.71	34.52
G(08)	9.60	10.37	12.60	13.71	14.37	14.80	15.09	15.28	15.38
A(1)	1.4369E 00	1.4496E 00	1.7621E 00	2.2938E 00	2.9195E 00	3.5576E 00	4.1379E 00	4.6001E 00	4.8975E 00
A(2)	1.8499E 00	1.8699E 00	2.3831E 00	3.3460E 00	4.6242E 00	6.0889E 00	7.5623E 00	8.8324E 00	9.6945E 00
THETAH	37.4	33.8	24.1	20.4	18.5	17.3	16.6	16.2	15.9
THETA(1)	59.7	57.5	50.0	45.6	42.8	40.9	39.6	38.8	38.3
THETA(2)	68.6	66.8	60.3	56.4	53.7	51.8	50.5	49.7	49.2
THETA(3)	79.4	77.9	72.6	69.4	67.2	65.6	64.4	63.6	63.2
THETA(4)	90.8	89.6	85.5	83.1	81.5	80.3	79.5	79.0	78.7
THETA(5)	102.7	101.7	98.6	97.1	96.2	95.6	95.2	95.0	94.9
THETA(6)	115.1	114.3	112.2	111.5	111.3	111.3	111.4	111.5	111.5
THETA(7)	128.5	127.9	126.7	126.7	127.0	127.5	127.9	128.2	128.4
THETA(8)	143.5	143.1	142.6	143.1	143.7	144.4	144.9	145.3	145.5
THETA(9)	160.6	160.4	160.4	160.9	161.5	162.0	162.3	162.6	162.7
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	74.9	67.6	48.3	40.8	37.0	34.7	33.2	32.3	31.8
BW(1)	119.5	115.0	99.9	91.2	85.6	81.8	79.3	77.6	76.6

N= 7 08= 20.

BETAO	2.662	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBDA	0.423	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.480	0.364	0.234	0.164	0.119	0.087	0.061	0.039	0.019
G	11.03	16.75	25.94	32.41	37.13	40.60	43.10	44.78	45.74
G(08)	10.43	12.24	14.14	15.11	15.70	16.09	16.34	16.51	16.60
A(1)	1.2764E 00	1.3587E 00	1.8457E 00	2.5513E 00	3.3571E 00	4.1707E 00	4.9077E 00	5.4936E 00	5.8702E 00
A(2)	1.6837E 00	1.8202E 00	2.6974E 00	4.1787E 00	6.1746E 00	8.5194E 00	1.0929E 01	1.3039E 01	1.4485E 01
A(3)	1.8387E 00	1.9972E 00	3.0395E 00	4.8749E 00	7.4641E 00	1.0641E 01	1.4031E 01	1.7089E 01	1.9233E 01
THETAH	33.8	26.1	19.4	16.8	15.3	14.4	13.9	13.5	13.3
THETA(1)	53.6	48.5	42.0	38.3	35.9	34.3	33.2	32.5	32.1
THETA(2)	61.4	57.0	51.3	47.7	45.3	43.6	42.4	41.6	41.2
THETA(3)	70.8	67.1	62.2	59.1	56.9	55.3	54.1	53.4	52.9
THETA(4)	80.5	77.4	73.5	71.0	69.2	67.9	66.9	66.3	65.9
THETA(5)	90.3	87.8	84.8	83.0	81.7	80.8	80.2	79.8	79.5
THETA(6)	100.4	98.3	96.1	95.0	94.4	94.0	93.7	93.5	93.5
THETA(7)	110.7	109.1	107.7	107.3	107.2	107.3	107.4	107.5	107.6
THETA(8)	121.7	120.5	119.8	120.0	120.4	120.9	121.4	121.7	121.9
THETA(9)	133.6	132.7	132.7	133.4	134.3	135.0	135.6	136.1	136.3
THETA(10)	147.0	146.5	146.9	147.9	148.8	149.6	150.2	150.6	150.9
THETA(11)	162.5	162.3	162.8	163.5	164.2	164.7	165.0	165.3	165.4
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	67.6	52.2	38.9	33.5	30.6	28.9	27.7	27.0	26.6
BW(1)	107.2	96.9	84.0	76.6	71.8	68.6	66.4	65.0	64.2

N= 8 DB= 20.

BETAO	2.726	2.513	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.434	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.416	0.272	0.174	0.122	0.089	0.065	0.045	0.029
G	12.91	23.42	34.33	41.90	47.36	51.34	54.19	56.11
G(08)	11.11	13.70	15.36	16.22	16.75	17.10	17.34	17.49
A(1)	1.1386E 00	1.3234E 00	1.9630E 00	2.8314E 00	3.8099E 00	4.7936E 00	5.6831E 00	6.3897E 00
A(2)	1.5091E 00	1.8238E 00	3.0639E 00	5.1219E 00	7.9570E 00	1.1359E 01	1.4911E 01	1.8055E 01
A(3)	1.7244E 00	2.1213E 00	3.7687E 00	6.7303E 00	1.1159E 01	1.6890E 01	2.3271E 01	2.9211E 01
THETAH	31.0	21.2	16.3	14.2	13.1	12.4	11.9	11.6
THETA(1)	49.0	41.9	36.2	33.0	30.9	29.5	28.5	27.9
THETA(2)	56.0	49.8	44.6	41.3	39.1	37.6	36.5	35.8
THETA(3)	64.4	59.1	54.5	51.5	49.3	47.8	46.7	45.9
THETA(4)	73.0	68.5	64.7	62.1	60.2	58.8	57.8	57.1
THETA(5)	81.5	77.8	74.7	72.7	71.2	70.1	69.3	68.7
THETA(6)	90.1	87.0	84.6	83.2	82.2	81.5	81.0	80.6
THETA(7)	98.8	96.2	94.5	93.7	93.2	92.9	92.7	92.6
THETA(8)	107.6	105.6	104.6	104.3	104.4	104.5	104.7	104.8
THETA(9)	116.9	115.3	114.9	115.3	115.8	116.3	116.7	117.1
THETA(10)	126.7	125.6	125.9	126.7	127.6	128.3	129.0	129.4
THETA(11)	137.5	136.8	137.6	138.8	139.9	140.8	141.5	141.9
THETA(12)	149.7	149.4	150.5	151.7	152.7	153.6	154.1	154.6
THETA(13)	163.9	163.9	164.7	165.5	166.2	166.7	167.0	167.3
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	62.0	42.3	32.6	28.5	26.2	24.7	23.8	23.2
BW(1)	98.0	83.7	72.5	66.0	61.8	59.0	57.1	55.8

N= 9 08= 20.

BETAO	2.776	2.513	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.442	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.366	0.209	0.134	0.094	0.068	0.050	0.035	0.022
G	14.78	30.65	43.10	51.60	57.68	62.07	65.19	67.27
G(08)	11.70	14.86	16.34	17.13	17.61	17.93	18.14	18.28
A(1)	1.0231E 00	1.3243E 00	2.1024E 00	3.1267E 00	4.2733E 00	5.4235E 00	6.4625E 00	7.2875E 00
A(2)	1.3503E 00	1.8724E 00	3.4836E 00	6.1818E 00	9.9797E 00	1.4615E 01	1.9513E 01	2.3884E 01
A(3)	1.5800E 00	2.2738E 00	4.6028E 00	8.9702E 00	1.5842E 01	2.5116E 01	3.5778E 01	4.5936E 01
A(4)	1.6627E 00	2.4212E 00	5.0337E 00	1.0105E 01	1.8366E 01	2.9869E 01	4.3457E 01	5.6680E 01
THETAH	28.8	17.8	14.1	12.4	11.4	10.8	10.4	10.2
THETA(1)	45.4	36.8	31.8	28.9	27.1	25.8	25.0	24.5
THETA(2)	51.8	44.3	39.4	36.4	34.4	33.0	32.0	31.4
THETA(3)	59.4	52.9	48.5	45.6	43.5	42.0	41.0	40.3
THETA(4)	67.2	61.6	57.8	55.2	53.3	51.9	50.8	50.1
THETA(5)	74.9	70.1	67.0	64.8	63.1	61.9	61.0	60.3
THETA(6)	82.4	78.4	75.9	74.2	73.0	72.0	71.3	70.8
THETA(7)	90.0	86.6	84.7	83.6	82.7	82.1	81.7	81.4
THETA(8)	97.6	94.8	93.5	92.9	92.5	92.3	92.1	92.0
THETA(9)	105.3	103.1	102.4	102.2	102.3	102.5	102.6	102.8
THETA(10)	113.3	111.6	111.4	111.8	112.3	112.8	113.2	113.6
THETA(11)	121.7	120.5	120.9	121.7	122.6	123.4	124.0	124.4
THETA(12)	130.6	130.0	130.9	132.1	133.2	134.2	134.9	135.4
THETA(13)	140.6	140.3	141.6	143.1	144.3	145.2	146.0	146.5
THETA(14)	151.8	152.0	153.4	154.7	155.8	156.6	157.2	157.6
THETA(15)	165.0	165.3	166.3	167.1	167.8	168.2	168.6	168.8
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	57.6	35.7	28.1	24.8	22.9	21.6	20.8	20.3
BW(1)	90.8	73.7	63.7	57.9	54.2	51.7	50.0	48.9

N=10 08= 20.

BETAD	2.815	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.448	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.327	0.167	0.106	0.075	0.054	0.039	0.028	0.018
G	16.62	38.22	52.00	61.26	67.81	72.50	75.81	77.67
C(DB)	12.21	15.82	17.16	17.87	18.31	18.60	18.80	18.90
A(1)	9.2643E-01	1.3488E 00	2.2568E 00	3.4327E 00	4.7442E 00	6.0583E 00	7.2447E 00	8.1867E 00
A(2)	1.2125E 00	1.9554E 00	3.9546E 00	7.3606E 00	1.2247E 01	1.8293E 01	2.4740E 01	3.0527E 01
A(3)	1.4360E 00	2.4607E 00	5.5595E 00	1.1644E 01	2.1642E 01	3.5599E 01	5.2052E 01	6.8001E 01
A(4)	1.5585E 00	2.7482E 00	6.5394E 00	1.4475E 01	2.8353E 01	4.8845E 01	7.4181E 01	9.9673E 01
THETAH	27.0	15.4	12.4	11.0	10.1	9.6	9.3	9.1
THETA(1)	42.4	32.9	28.4	25.8	24.1	23.0	22.3	21.8
THETA(2)	48.4	39.9	35.4	32.6	30.7	29.4	28.5	27.9
THETA(3)	55.4	48.0	43.8	40.9	39.0	37.5	36.5	35.9
THETA(4)	62.6	56.1	52.3	49.7	47.8	46.4	45.3	44.6
THETA(5)	69.6	64.0	60.8	58.5	56.7	55.4	54.4	53.8
THETA(6)	76.4	71.6	69.0	67.1	65.6	64.5	63.7	63.1
THETA(7)	83.2	79.1	77.0	75.6	74.5	73.6	73.0	72.6
THETA(8)	89.9	86.5	84.9	83.9	83.2	82.7	82.3	82.1
THETA(9)	96.7	93.8	92.8	92.3	92.0	91.8	91.7	91.6
THETA(10)	103.5	101.2	100.7	100.7	100.8	100.9	101.1	101.2
THETA(11)	110.5	108.8	108.8	109.2	109.7	110.2	110.6	110.9
THETA(12)	117.8	116.6	117.1	117.9	118.8	119.5	120.1	120.6
THETA(13)	125.5	124.8	125.8	127.0	128.1	129.1	129.8	130.3
THETA(14)	133.9	133.7	135.0	136.5	137.8	138.8	139.6	140.2
THETA(15)	143.1	143.3	145.0	146.6	147.9	148.8	149.6	150.0
THETA(16)	153.6	154.2	155.8	157.2	158.3	159.1	159.6	160.0
THETA(17)	165.9	166.5	167.6	168.4	169.1	169.5	169.8	170.0
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	53.9	30.9	24.8	21.9	20.3	19.2	18.5	18.1
BW(1)	84.9	65.8	56.8	51.6	48.2	46.0	44.5	43.6

N=11 08= 20.

BETAD	2.847	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.453	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.295	0.276	0.135	0.086	0.061	0.044	0.032	0.022
G	18.42	20.55	45.95	60.83	70.67	77.55	82.44	85.86
C(DB)	12.65	13.13	16.62	17.84	18.49	18.90	19.16	19.34
A(1)	8.4502E-01	8.4820E-01	1.3894E 00	2.4218E 00	3.7464E 00	5.2206E 00	6.6967E 00	8.0291E 00
A(2)	1.0949E 00	1.1000E 00	2.0651E 00	4.4746E 00	8.6587E 00	1.4760E 01	2.2393E 01	3.0593E 01
A(3)	1.3036E 00	1.3104E 00	2.6819E 00	6.6512E 00	1.4797E 01	2.8687E 01	4.8621E 01	7.2596E 01
A(4)	1.4422E 00	1.4501E 00	3.1149E 00	8.3272E 00	2.0023E 01	4.1747E 01	7.5392E 01	1.1853E 02
A(5)	1.4907E 00	1.4991E 00	3.2708E 00	8.9578E 00	2.2087E 01	4.7147E 01	8.6927E 01	1.3901E 02
THETAH	25.5	23.9	13.6	11.1	9.8	9.1	8.7	8.3
THETA(1)	40.0	39.0	29.7	25.6	23.2	21.7	20.7	20.1
THETA(2)	45.6	44.7	36.3	32.0	29.4	27.7	26.5	25.7
THETA(3)	52.2	51.4	43.9	39.8	37.1	35.2	33.9	33.0
THETA(4)	58.8	58.1	51.6	47.8	45.2	43.3	41.9	40.9
THETA(5)	65.3	64.7	59.0	55.7	53.3	51.5	50.2	49.2
THETA(6)	71.6	71.1	66.1	63.3	61.3	59.7	58.5	57.6
THETA(7)	77.8	77.3	73.0	70.7	69.1	67.8	66.8	66.0
THETA(8)	83.8	83.4	79.8	78.0	76.7	75.8	75.0	74.4
THETA(9)	89.9	89.5	86.4	85.1	84.3	83.7	83.2	82.9
THETA(10)	95.9	95.6	93.1	92.3	91.8	91.6	91.5	91.4
THETA(11)	102.1	101.8	99.8	99.4	99.4	99.6	99.7	99.9
THETA(12)	108.3	108.1	106.6	106.7	107.1	107.6	108.0	108.4
THETA(13)	114.8	114.6	113.6	114.1	115.0	115.8	116.5	117.0
THETA(14)	121.6	121.4	120.9	121.9	123.0	124.1	125.0	125.7
THETA(15)	128.7	128.6	128.6	130.0	131.4	132.7	133.8	134.5
THETA(16)	136.5	136.4	136.9	138.6	140.2	141.6	142.7	143.5
THETA(17)	145.2	145.1	146.0	147.9	149.5	150.8	151.8	152.5
THETA(18)	155.1	155.0	156.1	157.9	159.3	160.3	161.1	161.6
THETA(19)	166.7	166.7	167.5	168.7	169.5	170.1	170.5	170.8
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	50.9	47.7	27.3	22.1	19.7	18.2	17.3	16.7
BW(1)	80.0	78.0	59.4	51.2	46.5	43.5	41.5	40.1

N=12 08= 20.

BETAD	2.873	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.457	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.269	0.229	0.112	0.072	0.050	0.037	0.027	0.019
G	20.20	26.04	53.70	69.44	79.70	86.78	91.76	95.20
C(DB)	13.05	14.16	17.30	18.42	19.01	19.38	19.63	19.79
A(1)	7.7591E-01	7.9405E-01	1.4412E 00	2.5944E 00	4.0657E 00	5.7011E 00	7.3380E 00	8.8152E 00
A(2)	9.9483E-01	1.0233E 00	2.1965E 00	5.0421E 00	1.0077E 01	1.7520E 01	2.6918E 01	3.7072E 01
A(3)	1.1860E 00	1.2243E 00	2.9362E 00	7.8882E 00	1.8473E 01	3.7104E 01	6.4461E 01	9.7893E 01
A(4)	1.3278E 00	1.3735E 00	3.5279E 00	1.0437E 01	2.6948E 01	5.9233E 01	1.1127E 02	1.7999E 02
A(5)	1.4032E 00	1.4530E 00	3.8571E 00	1.1949E 01	3.2330E 01	7.4224E 01	1.4483E 02	2.4168E 02
THETAH	24.2	20.6	12.2	10.0	8.9	8.3	7.9	7.6
THETA(1)	37.9	35.6	27.1	23.3	21.2	19.8	18.9	18.2
THETA(2)	43.2	41.2	33.2	29.3	26.8	25.2	24.1	23.4
THETA(3)	49.4	47.6	40.5	36.5	33.9	32.1	30.9	30.0
THETA(4)	55.6	54.1	47.7	44.0	41.5	39.6	38.2	37.3
THETA(5)	61.7	60.3	54.7	51.4	49.0	47.2	45.8	44.8
THETA(6)	67.5	66.3	61.5	58.6	56.4	54.7	53.4	52.5
THETA(7)	73.3	72.2	67.9	65.5	63.6	62.2	61.1	60.2
THETA(8)	78.9	77.9	74.2	72.2	70.7	69.6	68.6	68.0
THETA(9)	84.4	83.5	80.4	78.8	77.7	76.9	76.2	75.7
THETA(10)	89.9	89.1	86.5	85.4	84.6	84.1	83.7	83.4
THETA(11)	95.4	94.7	92.6	91.9	91.5	91.3	91.2	91.1
THETA(12)	100.9	100.3	98.7	98.4	98.4	98.6	98.7	98.9
THETA(13)	106.6	106.0	104.8	105.0	105.4	105.9	106.3	106.7
THETA(14)	112.4	111.9	111.2	111.8	112.5	113.3	114.0	114.5
THETA(15)	118.4	118.0	117.7	118.7	119.8	120.9	121.7	122.4
THETA(16)	124.7	124.3	124.6	125.9	127.4	128.6	129.6	130.4
THETA(17)	131.4	131.2	131.8	133.5	135.2	136.6	137.7	138.5
THETA(18)	138.8	138.6	139.6	141.6	143.4	144.8	145.9	146.6
THETA(19)	146.9	146.8	148.2	150.3	152.0	153.3	154.2	154.9
THETA(20)	156.3	156.2	157.8	159.6	161.0	162.0	162.7	163.2
THETA(21)	167.4	167.3	168.5	169.6	170.4	171.0	171.3	171.6
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	48.4	41.3	24.5	20.0	17.9	16.6	15.7	15.2
BW(1)	75.9	71.2	54.2	46.6	42.3	39.6	37.7	36.5

N=13 D8= 20.

BETAD	2.895	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.460	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.247	0.193	0.094	0.060	0.042	0.031	0.022	0.016
G	21.95	31.80	61.36	77.73	88.24	95.41	100.41	102.45
G(DB)	13.41	15.02	17.88	18.91	19.46	19.80	20.02	20.11
A(1)	7.1670E-01	7.5753E-01	1.5011E 00	2.7728E 00	4.3893E 00	6.1847E 00	7.9813E 00	9.6024E 00
A(2)	9.0933E-01	9.7272E-01	2.3461E 00	5.6559E 00	1.1614E 01	2.0529E 01	3.1869E 01	4.4180E 01
A(3)	1.0830E 00	1.1683E 00	3.2225E 00	9.2800E 00	2.2714E 01	4.7018E 01	8.3401E 01	1.2846E 02
A(4)	1.2212E 00	1.3247E 00	3.9916E 00	1.2908E 01	3.5458E 01	8.1562E 01	1.5841E 02	2.6246E 02
A(5)	1.3101E 00	1.4258E 00	4.5188E 00	1.5610E 01	4.5804E 01	1.1196E 02	2.2925E 02	3.9648E 02
A(6)	1.3409E 00	1.4697E 00	4.7065E 00	1.6611E 01	4.9800E 01	1.2418E 02	2.5871E 02	4.5382E 02
THETAH	23.1	18.1	11.1	9.1	8.2	7.6	7.2	7.0
THETA(1)	36.2	32.8	24.9	21.4	19.4	18.1	17.3	16.7
THETA(2)	41.2	38.2	30.7	27.0	24.7	23.2	22.1	21.5
THETA(3)	47.0	44.4	37.6	33.8	31.3	29.6	28.4	27.5
THETA(4)	52.9	50.6	44.5	40.8	38.3	36.5	35.1	34.2
THETA(5)	58.6	56.6	51.1	47.8	45.3	43.5	42.2	41.2
THETA(6)	64.1	62.3	57.5	54.5	52.3	50.5	49.2	48.3
THETA(7)	69.5	67.8	63.6	61.0	59.0	57.5	56.3	55.4
THETA(8)	74.7	73.2	69.5	67.3	65.7	64.3	63.3	62.5
THETA(9)	79.8	78.5	75.3	73.5	72.2	71.1	70.3	69.6
THETA(10)	84.8	83.7	81.0	79.6	78.6	77.8	77.2	76.7
THETA(11)	89.9	88.8	86.6	85.6	85.0	84.5	84.1	83.8
THETA(12)	94.9	93.9	92.2	91.6	91.3	91.1	91.0	91.0
THETA(13)	100.0	99.1	97.8	97.6	97.6	97.8	97.9	98.1
THETA(14)	105.1	104.3	103.4	103.6	104.0	104.5	104.9	105.2
THETA(15)	110.4	109.7	109.2	109.8	110.6	111.3	111.9	112.4
THETA(16)	115.8	115.2	115.1	116.1	117.2	118.2	119.0	119.7
THETA(17)	121.4	120.9	121.3	122.7	124.0	125.2	126.2	127.0
THETA(18)	127.4	127.0	127.8	129.5	131.1	132.4	133.5	134.4
THETA(19)	133.8	133.5	134.7	136.7	138.4	139.9	141.0	141.8
THETA(20)	140.7	140.5	142.1	144.3	146.1	147.5	148.6	149.3
THETA(21)	148.5	148.4	150.2	152.4	154.1	155.4	156.3	156.9
THETA(22)	157.4	157.4	159.3	161.1	162.5	163.5	164.1	164.6
THETA(23)	167.9	168.0	169.3	170.4	171.2	171.7	172.0	172.3
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	46.1	36.3	22.2	18.3	16.3	15.2	14.4	13.9
BW(1)	72.3	65.5	49.8	42.8	38.8	36.3	34.6	33.5

N=14 D8= 20.

BETAD	2.913	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMBDA	0.463	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.229	0.166	0.081	0.052	0.036	0.026	0.019
G	23.66	37.12	68.82	85.63	96.25	103.41	108.37
G(DB)	13.74	15.77	18.38	19.33	19.83	20.15	20.35
A(1)	6.6554E-01	7.3355E-01	1.5670E 00	2.9555E 00	4.7162E 00	6.6708E 00	8.6262E 00
A(2)	8.3590E-01	9.4051E-01	2.5114E 00	6.3150E 00	1.3271E 01	2.3786E 01	3.7246E 01
A(3)	9.9312E-01	1.1341E 00	3.5402E 00	1.0836E 01	2.7563E 01	5.8555E 01	1.0572E 02
A(4)	1.1245E 00	1.2975E 00	4.5095E 00	1.5782E 01	4.5780E 01	1.0955E 02	2.1895E 02
A(5)	1.2190E 00	1.4158E 00	5.2660E 00	2.0048E 01	6.3193E 01	1.6315E 02	3.4820E 02
A(6)	1.2684E 00	1.4779E 00	5.6809E 00	2.2528E 01	7.3930E 01	1.9808E 02	4.3661E 02
THETAH	22.1	16.2	10.2	8.4	7.5	7.0	6.7
THETA(1)	34.6	30.3	23.0	19.8	17.9	16.8	16.0
THETA(2)	39.4	35.6	28.5	25.0	22.8	21.4	20.5
THETA(3)	44.9	41.7	35.0	31.4	29.0	27.3	26.2
THETA(4)	50.5	47.6	41.6	38.0	35.5	33.8	32.5
THETA(5)	55.9	53.4	48.0	44.6	42.2	40.4	39.0
THETA(6)	61.1	58.8	54.1	51.0	48.7	46.9	45.6
THETA(7)	66.2	64.1	59.9	57.1	55.1	53.4	52.2
THETA(8)	71.1	69.2	65.5	63.1	61.3	59.9	58.7
THETA(9)	75.9	74.2	70.9	68.9	67.4	66.2	65.2
THETA(10)	80.6	79.0	76.3	74.6	73.4	72.4	71.7
THETA(11)	85.2	83.8	81.5	80.3	79.4	78.6	78.1
THETA(12)	89.9	88.6	86.7	85.8	85.2	84.8	84.5
THETA(13)	94.5	93.4	91.8	91.3	91.1	91.0	90.9
THETA(14)	99.2	98.1	97.0	96.9	97.0	97.1	97.3
THETA(15)	103.9	103.0	102.3	102.5	102.9	103.3	103.7
THETA(16)	108.7	107.9	107.6	108.2	108.9	109.6	110.2
THETA(17)	113.6	112.9	113.0	114.0	115.0	115.9	116.7
THETA(18)	118.7	118.2	118.6	119.9	121.2	122.4	123.3
THETA(19)	124.1	123.6	124.5	126.1	127.7	129.0	130.1
THETA(20)	129.7	129.4	130.6	132.6	134.3	135.8	136.9
THETA(21)	135.8	135.5	137.2	139.4	141.2	142.7	143.8
THETA(22)	142.4	142.3	144.3	146.6	148.4	149.8	150.9
THETA(23)	149.8	149.8	152.0	154.3	156.0	157.2	158.0
THETA(24)	158.4	158.4	160.6	162.5	163.8	164.7	165.3
THETA(25)	168.4	168.5	170.0	171.1	171.8	172.3	172.6
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	44.2	32.3	20.3	16.8	15.1	14.0	13.3
BW(1)	69.2	60.7	46.0	39.5	35.9	33.5	32.0

N=15 D8= 20.

BETA0	2.929	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMBDA	0.466	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.213	0.143	0.070	0.045	0.031	0.023	0.017
G	25.35	43.72	76.04	93.09	103.70	110.78	115.61
G(D8)	14.04	16.41	18.81	19.69	20.16	20.44	20.63
A(1)	6.2095E-01	7.1873E-01	1.6375E 00	3.1416E 00	5.0457E 00	7.1588E 00	9.2725E 00
A(2)	7.7242E-01	9.2167E-01	2.6910E 00	7.0188E 00	1.5048E 01	2.7292E 01	4.3050E 01
A(3)	9.1468E-01	1.1161E 00	3.8890E 00	1.2564E 01	3.3062E 01	7.1841E 01	1.3170E 02
A(4)	1.0379E 00	1.2871E 00	5.0849E 00	1.9099E 01	5.8151E 01	1.4406E 02	2.9519E 02
A(5)	1.1331E 00	1.4207E 00	6.1078E 00	2.5379E 01	8.5265E 01	2.3100E 02	5.1117E 02
A(6)	1.1933E 00	1.5057E 00	6.7979E 00	2.9943E 01	1.0650E 02	3.0400E 02	7.0380E 02
A(7)	1.2138E 00	1.5349E 00	7.0416E 00	3.1614E 01	1.1457E 02	3.3269E 02	7.8179E 02
THETAH	21.2	14.6	9.4	7.8	7.0	6.5	6.2
THETA(1)	33.2	28.3	21.4	18.4	16.7	15.6	14.8
THETA(2)	37.8	33.4	26.6	23.2	21.2	19.9	19.0
THETA(3)	43.1	39.2	32.8	29.3	27.0	25.4	24.4
THETA(4)	48.5	45.0	39.1	35.6	33.2	31.5	30.2
THETA(5)	53.6	50.6	45.2	41.8	39.4	37.6	36.3
THETA(6)	58.6	55.8	51.0	47.9	45.6	43.8	42.5
THETA(7)	63.3	60.9	56.6	53.8	51.6	49.9	48.6
THETA(8)	68.0	65.7	61.9	59.4	57.5	56.0	54.8
THETA(9)	72.5	70.4	67.1	65.0	63.3	61.9	60.8
THETA(10)	76.9	75.0	72.2	70.3	68.9	67.8	66.9
THETA(11)	81.3	79.6	77.1	75.6	74.5	73.6	72.9
THETA(12)	85.6	84.0	82.0	80.8	80.0	79.4	78.9
THETA(13)	89.9	88.5	86.8	86.0	85.5	85.1	84.8
THETA(14)	94.2	92.9	91.6	91.2	90.9	90.8	90.8
THETA(15)	98.5	97.3	96.4	96.3	96.4	96.6	96.7
THETA(16)	102.8	101.8	101.3	101.5	101.9	102.3	102.7
THETA(17)	107.3	106.4	106.2	106.8	107.5	108.1	108.7
THETA(18)	111.8	111.1	111.2	112.1	113.1	114.0	114.8
THETA(19)	116.5	115.8	116.4	117.6	118.9	120.0	120.9
THETA(20)	121.3	120.8	121.7	123.3	124.8	126.1	127.1
THETA(21)	126.4	126.0	127.3	129.2	130.9	132.3	133.4
THETA(22)	131.8	131.5	133.2	135.3	137.2	138.6	139.8
THETA(23)	137.6	137.4	139.5	141.8	143.7	145.2	146.3
THETA(24)	143.9	143.9	146.2	148.6	150.5	151.9	152.9
THETA(25)	151.0	151.1	153.6	155.9	157.6	158.7	159.6
THETA(26)	159.2	159.4	161.7	163.6	164.9	165.7	166.3
THETA(27)	168.9	169.1	170.6	171.7	172.4	172.8	173.2
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	42.5	29.2	18.7	15.6	14.0	13.0	12.4
BW(1)	66.5	56.5	42.8	36.8	33.3	31.1	29.7

N=20 D8= 20.

BETAD	2.985	2.827	2.513	2.199	1.885	1.571
D/LAMBDA	0.475	0.450	0.400	0.350	0.300	0.250
ALPHA	0.157	0.078	0.038	0.024	0.017	0.012
G	33.33	72.91	107.26	123.56	133.08	139.33
G(D8)	15.23	18.63	20.30	20.92	21.24	21.44
A(1)	4.6385E-01	7.2113E-01	2.0322E 00	4.1041E 00	6.7184E 00	9.6174E 00
A(2)	5.5445E-01	9.4009E-01	3.7711E 00	1.1196E 01	2.5724E 01	4.8562E 01
A(3)	6.4339E-01	1.1680E 00	6.1063E 00	2.4103E 01	7.1754E 01	1.6888E 02
A(4)	7.2743E-01	1.3940E 00	8.9386E 00	4.3509E 01	1.6008E 02	4.4959E 02
A(5)	8.0336E-01	1.6063E 00	1.2059E 01	7.0131E 01	2.9950E 02	9.6760E 02
A(6)	8.6819E-01	1.7932E 00	1.5171E 01	1.0025E 02	4.8306E 02	1.7385E 03
A(7)	9.1931E-01	1.9440E 00	1.7926E 01	1.2990E 02	6.8319E 02	2.6603E 03
A(8)	9.5461E-01	2.0500E 00	1.9991E 01	1.5380E 02	8.5635E 02	3.5110E 03
A(9)	9.7264E-01	2.1046E 00	2.1096E 01	1.6717E 02	9.5734E 02	4.0265E 03
THETAH	18.1	9.9	6.8	5.7	5.1	4.8
THETA(1)	28.2	21.1	15.8	13.6	12.3	11.5
THETA(2)	32.0	25.5	20.0	17.3	15.7	14.7
THETA(3)	36.5	30.6	25.0	21.9	20.1	18.9
THETA(4)	40.9	35.6	30.1	26.9	24.8	23.4
THETA(5)	45.2	40.4	35.2	31.9	29.7	28.1
THETA(6)	49.3	44.9	40.0	36.8	34.5	32.8
THETA(7)	53.1	49.2	44.7	41.6	39.2	37.5
THETA(8)	56.9	53.2	49.1	46.2	43.9	42.2
THETA(9)	60.5	57.1	53.4	50.6	48.5	46.8
THETA(10)	64.0	60.9	57.5	55.0	53.0	51.4
THETA(11)	67.4	64.5	61.5	59.2	57.4	55.9
THETA(12)	70.7	68.1	65.3	63.3	61.7	60.4
THETA(13)	74.0	71.6	69.1	67.4	65.9	64.8
THETA(14)	77.2	75.0	72.9	71.4	70.1	69.1
THETA(15)	80.4	78.4	76.5	75.3	74.3	73.4
THETA(16)	83.6	81.7	80.1	79.1	78.4	77.7
THETA(17)	86.7	85.0	83.7	83.0	82.4	82.0
THETA(18)	89.9	88.3	87.3	86.8	86.5	86.2
THETA(19)	93.0	91.6	90.9	90.6	90.5	90.5
THETA(20)	96.2	94.9	94.4	94.4	94.6	94.7
THETA(21)	99.3	98.2	98.0	98.3	98.6	98.9
THETA(22)	102.5	101.5	101.6	102.1	102.7	103.2
THETA(23)	105.7	104.9	105.3	106.0	106.8	107.5
THETA(24)	109.0	108.3	109.0	110.0	111.0	111.9
THETA(25)	112.4	111.8	112.7	114.0	115.2	116.2
THETA(26)	115.8	115.3	116.6	118.1	119.5	120.7
THETA(27)	119.3	119.0	120.5	122.3	123.9	125.2
THETA(28)	122.9	122.8	124.6	126.6	128.3	129.7
THETA(29)	126.7	126.7	128.8	131.0	132.9	134.4
THETA(30)	130.7	130.8	133.2	135.6	137.6	139.1
THETA(31)	134.8	135.2	137.9	140.4	142.4	144.0
THETA(32)	139.3	139.8	142.7	145.4	147.4	148.9
THETA(33)	144.1	144.8	147.9	150.6	152.5	153.9
THETA(34)	149.4	150.2	153.5	156.0	157.8	159.0
THETA(35)	155.4	156.3	159.5	161.7	163.2	164.2
THETA(36)	162.3	163.3	166.0	167.7	168.7	169.4
THETA(37)	170.5	171.2	172.9	173.8	174.3	174.7
THETA(38)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	36.1	19.7	13.5	11.4	10.3	9.6
BW(1)	56.4	42.1	31.7	27.2	24.6	23.0

N=25 08= 20.

8ETA0	3.017	2.827	2.513	2.199	1.885
0/LAM80A	0.480	0.450	0.400	0.350	0.300
ALPHA	0.125	0.049	0.024	0.015	0.011
G	40.64	97.97	130.19	144.27	151.43
G(08)	16.09	19.91	21.15	21.59	21.80
A(1)	3.6947E-01	7.8251E-01	2.4629E 00	5.0952E 00	8.4139E 00
A(2)	4.2919E-01	1.0504E 00	5.1168E 00	1.6453E 01	3.9386E 01
A(3)	4.8877E-01	1.3455E 00	9.1607E 00	4.1273E 01	1.3290E 02
A(4)	5.4687E-01	1.6585E 00	1.4747E 01	8.7C04E 01	3.5713E 02
A(5)	6.0214E-01	1.9782E 00	2.1838E 01	1.6043E 02	8.0465E 02
A(6)	6.5324E-01	2.2922E 00	3.0167E 01	2.6495E 02	1.5673E 03
A(7)	6.9891E-01	2.5872E 00	3.9228E 01	3.9796E 02	2.6920E 03
A(8)	7.3801E-01	2.8501E 00	4.8313E 01	5.4918E 02	4.1320E 03
A(9)	7.6953E-01	3.0689E 00	5.6599E 01	7.0122E 02	5.7201E 03
A(10)	7.9267E-01	3.2333E 00	6.3255E 01	8.3242E 02	7.1870E 03
A(11)	8.0677E-01	3.3352E 00	6.7569E 01	9.2156E 02	8.2293E 03
A(12)	8.1152E-01	3.3698E 00	6.9064E 01	9.5316E 02	8.6071E 03
THETAH	16.0	7.5	5.3	4.5	4.1
THETA(1)	24.9	16.8	12.6	10.8	9.7
THETA(2)	28.3	20.6	15.9	13.7	12.5
THETA(3)	32.2	25.2	20.1	17.5	16.0
THETA(4)	36.1	29.6	24.5	21.6	19.8
THETA(5)	39.8	33.9	28.8	25.7	23.7
THETA(6)	43.3	37.9	33.0	29.8	27.7
THETA(7)	46.7	41.7	37.0	33.9	31.6
THETA(8)	49.9	45.3	40.9	37.8	35.5
THETA(9)	53.0	48.7	44.6	41.6	39.3
THETA(10)	56.0	52.0	48.1	45.3	43.1
THETA(11)	58.9	55.2	51.6	48.9	46.8
THETA(12)	61.7	58.2	54.9	52.4	50.4
THETA(13)	64.4	61.2	58.2	55.8	53.9
THETA(14)	67.1	64.1	61.3	59.2	57.4
THETA(15)	69.8	66.9	64.4	62.5	60.9
THETA(16)	72.4	69.7	67.5	65.7	64.3
THETA(17)	74.9	72.5	70.5	68.9	67.6
THETA(18)	77.5	75.2	73.4	72.0	70.9
THETA(19)	80.0	77.9	76.3	75.2	74.2
THETA(20)	82.5	80.5	79.2	78.2	77.5
THETA(21)	85.0	83.2	82.0	81.3	80.7
THETA(22)	87.4	85.8	84.9	84.3	83.9
THETA(23)	89.9	88.4	87.7	87.4	87.1
THETA(24)	92.4	91.0	90.5	90.4	90.3
THETA(25)	94.8	93.6	93.4	93.4	93.5
THETA(26)	97.3	96.2	96.2	96.5	96.7
THETA(27)	99.8	98.9	99.1	99.5	100.0
THETA(28)	102.3	101.5	101.9	102.6	103.2
THETA(29)	104.9	104.2	104.8	105.7	106.5
THETA(30)	107.4	106.9	107.7	108.8	109.8
THETA(31)	110.0	109.6	110.7	111.9	113.1
THETA(32)	112.7	112.4	113.7	115.2	116.5
THETA(33)	115.4	115.2	116.8	118.4	119.9
THETA(34)	118.1	118.1	119.9	121.7	123.3
THETA(35)	120.9	121.1	123.1	125.1	126.9
THETA(36)	123.8	124.1	126.4	128.6	130.5
THETA(37)	126.8	127.3	129.8	132.2	134.1
THETA(38)	129.9	130.6	133.3	135.8	137.9
THETA(39)	133.2	134.0	137.0	139.6	141.7
THETA(40)	136.6	137.6	140.8	143.5	145.6
THETA(41)	140.2	141.4	144.8	147.6	149.6
THETA(42)	144.1	145.5	149.1	151.8	153.7
THETA(43)	148.3	149.9	153.5	156.2	157.9
THETA(44)	153.0	154.7	158.3	160.7	162.2
THETA(45)	158.2	160.0	163.3	165.3	166.6
THETA(46)	164.3	166.0	168.7	170.1	171.0
THETA(47)	171.6	172.7	174.3	175.0	175.5
THETA(48)	180.0	180.0	180.0	180.0	180.0
8W(H)	32.0	15.1	10.6	9.0	8.1
8W(1)	49.8	33.6	25.2	21.5	19.5

N=30 08= 20.

8ETA0	3.039	2.827	2.513	2.199
0/LAM80A	0.483	0.450	0.400	0.350
ALPHA	0.103	0.033	0.016	0.010
G	47.33	117.96	146.49	158.20
G(08)	16.75	20.72	21.66	21.99
A(1)	3.0676E-01	8.6783E-01	2.9103E 00	6.1000E 00
A(2)	3.4895E-01	1.2054E 00	6.7C71E 00	2.2780E 01
A(3)	3.9132E-01	1.5948E 00	1.3143E 01	6.5167E 01
A(4)	4.3324E-01	2.0290E 00	2.3002E 01	1.5551E 02
A(5)	4.7405E-01	2.4981E 00	3.6908E 01	3.2338E 02
A(6)	5.1309E-01	2.9893E 00	5.5156E 01	6.0143E 02
A(7)	5.4972E-01	3.4875E 00	7.7571E 01	1.0175E 03
A(8)	5.8333E-01	3.9761E 00	1.0341E 02	1.5840E 03
A(9)	6.1333E-01	4.4375E 00	1.3136E 02	2.2882E 03
A(10)	6.3916E-01	4.8544E 00	1.5958E 02	3.0858E 03
A(11)	6.6044E-01	5.2104E 00	1.8593E 02	3.9C19E 03
A(12)	6.7672E-01	5.4913E 00	2.0818E 02	4.6409E 03
A(13)	6.8775E-01	5.6853E 00	2.2431E 02	5.2038E 03
A(14)	6.9319E-01	5.7844E 00	2.3278E 02	5.5084E 03
THETAH	14.5	6.1	4.4	3.7
THETA(1)	22.6	14.0	10.4	8.9
THETA(2)	25.6	17.3	13.3	11.4
THETA(3)	29.1	21.4	16.8	14.6
THETA(4)	32.6	25.4	20.6	18.0
THETA(5)	35.9	29.3	24.4	21.5
THETA(6)	39.1	32.9	28.1	25.1
THETA(7)	42.1	36.3	31.6	28.5
THETA(8)	45.0	39.6	35.1	32.0
THETA(9)	47.7	42.7	38.4	35.3
THETA(10)	50.4	45.7	41.5	38.5
THETA(11)	52.9	48.5	44.6	41.7
THETA(12)	55.4	51.3	47.6	44.8
THETA(13)	57.8	53.9	50.5	47.8
THETA(14)	60.2	56.5	53.3	50.7
THETA(15)	62.5	59.0	56.0	53.6
THETA(16)	64.7	61.5	58.7	56.4
THETA(17)	67.0	63.9	61.3	59.2
THETA(18)	69.2	66.3	63.9	62.0
THETA(19)	71.3	68.6	66.4	64.7
THETA(20)	73.4	70.9	68.9	67.3
THETA(21)	75.5	73.2	71.4	69.9
THETA(22)	77.6	75.4	73.8	72.5
THETA(23)	79.7	77.6	76.2	75.1
THETA(24)	81.8	79.8	78.6	77.7
THETA(25)	83.8	82.0	81.C	80.2
THETA(26)	85.8	84.2	83.3	82.7
THETA(27)	87.9	86.4	85.7	85.3
THETA(28)	89.9	88.5	88.0	87.8
THETA(29)	91.9	90.7	90.4	90.3
THETA(30)	94.0	92.8	92.7	92.8
THETA(31)	96.0	95.0	95.1	95.3
THETA(32)	98.1	97.2	97.4	97.8
THETA(33)	100.1	99.4	99.8	100.3
THETA(34)	102.2	101.6	102.2	102.9
THETA(35)	104.3	103.8	104.6	105.4
THETA(36)	106.4	106.0	107.0	108.0
THETA(37)	108.5	108.3	109.4	110.6
THETA(38)	110.7	110.6	111.9	113.3
THETA(39)	112.9	112.9	114.4	115.9
THETA(40)	115.1	115.2	116.9	118.7
THETA(41)	117.3	117.6	119.5	121.4
THETA(42)	119.6	120.1	122.2	124.2
THETA(43)	122.0	122.6	124.9	127.1
THETA(44)	124.4	125.1	127.7	130.0
THETA(45)	126.9	127.8	130.5	133.0
THETA(46)	129.5	130.5	133.4	136.0
THETA(47)	132.1	133.3	136.5	139.1
THETA(48)	134.9	136.3	139.6	142.4
THETA(49)	137.8	139.3	142.9	145.7
THETA(50)	140.8	142.6	146.3	149.1
THETA(51)	144.1	146.0	149.8	152.6
THETA(52)	147.5	149.7	153.6	156.2
THETA(53)	151.3	153.7	157.5	160.0
THETA(54)	155.5	158.0	161.6	163.8
THETA(55)	160.3	162.8	166.0	167.8
THETA(56)	165.8	168.0	170.5	171.8
THETA(57)	172.4	173.8	175.2	175.9
THETA(58)	180.0	180.0	180.0	180.0
8W(H)	29.0	12.2	8.8	7.4
8W(1)	45.1	27.9	20.8	17.8

N= 3 D8= 25.

BETAD	1.903	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.303	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.239	1.221	0.940	0.708	0.506	0.327	0.161
G	3.34	3.42	4.59	5.52	6.22	6.71	6.99
G(D8)	5.24	5.34	6.62	7.42	7.94	8.27	8.45
A(1)	1.7870E 00	1.7871E 00	1.8075E 00	1.8528E 00	1.9065E 00	1.9550E 00	1.9882E 00
THETAH	65.3	64.5	53.1	46.6	42.9	40.8	39.6
THETA(1)	114.0	113.6	108.5	104.8	102.2	100.5	99.5
THETA(2)	130.6	130.3	126.8	124.2	122.5	121.4	120.7
THETA(3)	153.6	153.4	151.6	150.5	149.7	149.2	148.9
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	130.7	129.0	106.3	93.2	85.8	81.5	79.3
BW(1)	227.9	227.2	216.9	209.6	204.4	201.0	199.1

N= 4 D8= 25.

BETAD	2.161	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.344	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.981	0.747	0.555	0.408	0.288	0.185	0.090
G	4.90	7.16	9.23	10.82	11.99	12.79	13.26
G(D8)	6.90	8.55	9.65	10.34	10.79	11.07	11.22
A(1)	2.0699E 00	2.1296E 00	2.2900E 00	2.4914E 00	2.6901E 00	2.8547E 00	2.9625E 00
THETAH	52.8	41.6	35.1	31.7	29.7	28.6	28.0
THETA(1)	89.3	83.2	78.4	75.2	73.0	71.5	70.7
THETA(2)	101.1	96.1	92.3	89.7	87.9	86.7	86.0
THETA(3)	117.0	113.3	110.7	108.9	107.8	107.1	106.7
THETA(4)	135.6	133.3	131.8	130.9	130.4	130.1	130.0
THETA(5)	156.8	155.7	155.1	154.8	154.7	154.7	154.7
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	105.5	83.3	70.3	63.4	59.5	57.2	55.9
BW(1)	178.6	166.3	156.9	150.4	145.9	143.0	141.4

N= 5 D8= 25.

BETAD	2.348	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.373	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.794	0.664	0.474	0.348	0.254	0.178	0.114	0.056
G	6.60	8.85	12.86	15.94	18.27	19.97	21.14	21.82
G(D8)	8.19	9.47	11.09	12.02	12.62	13.00	13.25	13.39
A(1)	2.0318E 00	2.0699E 00	2.3181E 00	2.6809E 00	3.0755E 00	3.4439E 00	3.7412E 00	3.9335E 00
A(2)	2.5478E 00	2.6054E 00	2.9899E 00	3.5792E 00	4.2578E 00	4.9265E 00	5.4907E 00	5.8676E 00
THETAH	44.9	37.7	29.6	25.9	23.8	22.6	21.8	21.4
THETA(1)	74.8	70.6	64.5	60.6	57.9	56.1	55.0	54.3
THETA(2)	84.0	80.5	75.3	71.9	69.5	67.9	66.8	66.1
THETA(3)	96.1	93.3	89.2	86.5	84.7	83.4	82.6	82.1
THETA(4)	109.7	107.6	104.6	102.8	101.6	100.9	100.4	100.2
THETA(5)	124.7	123.1	121.2	120.2	119.8	119.5	119.4	119.4
THETA(6)	141.2	140.2	139.2	138.9	138.9	139.1	139.2	139.3
THETA(7)	159.8	159.3	158.9	158.9	159.1	159.3	159.5	159.6
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	89.9	75.4	59.2	51.7	47.6	45.2	43.7	42.9
BW(1)	149.5	141.2	129.0	121.2	115.9	112.3	110.0	108.6

N= 6 D8= 25.

BETAD	2.481	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.395	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.661	0.453	0.321	0.234	0.170	0.120	0.076	0.037
G	8.37	14.76	20.29	24.49	27.65	29.97	31.56	32.49
G(D8)	9.23	11.69	13.07	13.89	14.42	14.77	14.99	15.12
A(1)	1.8804E 00	2.0636E 00	2.5155E 00	3.0790E 00	3.6640E 00	4.2001E 00	4.6286E 00	4.9047E 00
A(2)	2.5876E 00	2.9154E 00	3.7811E 00	4.9750E 00	6.3490E 00	7.7282E 00	8.9134E 00	9.7160E 00
THETAH	39.6	28.0	22.9	20.4	19.0	18.2	17.6	17.3
THETA(1)	65.2	57.5	52.4	49.2	47.0	45.5	44.5	44.0
THETA(2)	73.0	66.3	61.7	58.7	56.5	55.1	54.1	53.5
THETA(3)	82.9	77.3	73.5	71.0	69.2	67.9	67.0	66.5
THETA(4)	93.9	89.3	86.4	84.5	83.1	82.2	81.5	81.2
THETA(5)	105.4	101.9	99.8	98.6	97.8	97.3	97.0	96.8
THETA(6)	117.7	115.0	113.8	113.2	113.0	112.9	112.9	113.0
THETA(7)	130.9	129.1	128.6	128.6	128.8	129.1	129.3	129.5
THETA(8)	145.6	144.5	144.5	144.8	145.3	145.7	146.0	146.2
THETA(9)	162.0	161.6	161.7	162.1	162.4	162.7	162.9	163.1
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	79.2	55.9	45.8	40.9	38.0	36.3	35.3	34.7
BW(1)	130.5	115.1	104.9	98.3	93.9	90.9	89.0	87.9

N= 7 08= 25.

BETAO	2.579	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.410	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.563	0.503	0.325	0.229	0.167	0.121	0.085	0.054	0.026
G	10.18	12.51	22.08	29.25	34.67	38.77	41.77	43.83	45.02
G(08)	10.08	10.97	13.44	14.66	15.40	15.88	16.21	16.42	16.53
A(1)	1.7081E 00	1.7248E 00	2.1042E 00	2.7449E 00	3.4979E 00	4.2654E 00	4.9633E 00	5.5192E 00	5.8767E 00
A(2)	2.4374E 00	2.4685E 00	3.2111E 00	4.6285E 00	6.5567E 00	8.8138E 00	1.1122E 01	1.3134E 01	1.4511E 01
A(3)	2.7267E 00	2.7639E 00	3.6664E 00	5.4478E 00	7.9726E 00	1.1049E 01	1.4307E 01	1.7230E 01	1.9268E 01
THETAH	35.7	31.7	22.2	18.7	16.9	15.8	15.2	14.8	14.5
THETA(1)	58.4	56.1	48.4	44.1	41.3	39.4	38.1	37.3	36.9
THETA(2)	65.2	63.1	56.3	52.2	49.5	47.6	46.3	45.4	44.9
THETA(3)	73.8	72.0	66.2	62.6	60.2	58.4	57.1	56.3	55.8
THETA(4)	83.1	81.6	76.7	73.8	71.8	70.3	69.3	68.6	68.1
THETA(5)	92.7	91.4	87.5	85.3	83.8	82.8	82.0	81.5	81.3
THETA(6)	102.6	101.6	98.5	97.0	96.1	95.5	95.2	95.0	94.8
THETA(7)	112.9	112.1	109.8	109.0	108.7	108.6	108.6	108.7	108.7
THETA(8)	123.8	123.2	121.7	121.4	121.7	122.0	122.3	122.6	122.7
THETA(9)	135.7	135.2	134.4	134.6	135.2	135.8	136.3	136.7	136.9
THETA(10)	148.8	148.5	148.2	148.8	149.5	150.2	150.7	151.0	151.2
THETA(11)	163.7	163.5	163.6	164.0	164.5	164.9	165.3	165.5	165.6
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	71.4	63.4	44.4	37.4	33.8	31.7	30.3	29.5	29.1
BW(1)	116.9	112.1	96.9	88.2	82.6	78.8	76.3	74.6	73.7

N= 8 08= 25.

BETAO	2.652	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.422	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.490	0.379	0.244	0.171	0.125	0.091	0.064	0.041
G	12.01	18.61	30.65	39.57	46.31	51.40	55.14	57.70
G(08)	10.80	12.70	14.86	15.97	16.66	17.11	17.41	17.61
A(1)	1.5464E 00	1.6307E 00	2.1859E 00	3.0012E 00	3.9346E 00	4.8780E 00	5.7328E 00	6.4125E 00
A(2)	2.2296E 00	2.3904E 00	3.5511E 00	5.5746E 00	8.3578E 00	1.1676E 01	1.5123E 01	1.8161E 01
A(3)	2.6467E 00	2.8587E 00	4.4469E 00	7.4130E 00	1.1812E 01	1.7444E 01	2.3663E 01	2.9417E 01
THETAH	32.7	25.2	18.4	15.8	14.4	13.6	13.0	12.7
THETA(1)	53.3	48.4	41.8	38.0	35.6	33.9	32.8	32.1
THETA(2)	59.4	55.1	49.0	45.3	42.8	41.1	39.9	39.1
THETA(3)	67.1	63.3	57.9	54.6	52.2	50.5	49.3	48.5
THETA(4)	75.2	72.0	67.4	64.5	62.5	60.9	59.8	59.1
THETA(5)	83.6	80.8	77.1	74.7	73.0	71.8	70.9	70.3
THETA(6)	92.0	89.7	86.7	84.9	83.7	82.9	82.3	81.9
THETA(7)	100.6	98.7	96.4	95.2	94.5	94.1	93.9	93.7
THETA(8)	109.5	107.9	106.2	105.7	105.5	105.5	105.6	105.7
THETA(9)	118.7	117.5	116.5	116.4	116.7	117.1	117.5	117.7
THETA(10)	128.6	127.6	127.2	127.7	128.4	129.0	129.6	130.0
THETA(11)	139.4	138.7	138.8	139.6	140.5	141.3	141.9	142.3
THETA(12)	151.4	151.0	151.4	152.3	153.2	153.9	154.5	154.8
THETA(13)	165.0	164.8	165.2	165.9	166.4	166.9	167.2	167.4
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	65.5	50.4	36.8	31.6	28.8	27.1	26.0	25.4
BW(1)	106.7	96.9	83.6	76.0	71.1	67.8	65.7	64.2

N= 9 08= 25.

BETAO	2.709	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.431	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.433	0.295	0.189	0.133	0.097	0.070	0.049	0.031
G	13.86	25.72	40.31	51.08	59.21	65.34	69.83	72.91
G(08)	11.42	14.10	16.05	17.08	17.72	18.15	18.44	18.63
A(1)	1.4036E 00	1.5857E 00	2.2973E 00	3.2772E 00	4.3847E 00	5.4991E 00	6.5071E 00	7.3081E 00
A(2)	2.0193E 00	2.3715E 00	3.9465E 00	6.6336E 00	1.0393E 01	1.4949E 01	1.9739E 01	2.3998E 01
A(3)	2.4751E 00	2.9675E 00	5.3149E 00	9.7473E 00	1.6631E 01	2.5816E 01	3.6289E 01	4.6210E 01
A(4)	2.6434E 00	3.1901E 00	5.8478E 00	1.1025E 01	1.9331E 01	3.0751E 01	4.4116E 01	5.7039E 01
THETAH	30.4	20.9	15.8	13.7	12.6	11.9	11.4	11.1
THETA(1)	49.3	42.6	36.7	33.4	31.2	29.8	28.8	28.2
THETA(2)	54.9	48.8	43.3	39.9	37.6	36.1	35.0	34.3
THETA(3)	61.8	56.6	51.5	48.3	46.1	44.5	43.3	42.6
THETA(4)	69.2	64.6	60.3	57.4	55.3	53.8	52.7	51.9
THETA(5)	76.7	72.7	69.0	66.6	64.8	63.4	62.5	61.8
THETA(6)	84.1	80.7	77.7	75.7	74.3	73.3	72.5	72.0
THETA(7)	91.6	88.7	86.3	84.9	83.9	83.2	82.7	82.4
THETA(8)	99.2	96.7	94.9	94.0	93.5	93.2	93.0	92.9
THETA(9)	106.9	104.9	103.7	103.3	103.2	103.3	103.4	103.4
THETA(10)	114.9	113.3	112.6	112.8	113.1	113.5	113.9	114.1
THETA(11)	123.4	122.1	122.0	122.6	123.3	123.9	124.5	124.9
THETA(12)	132.4	131.5	131.9	132.8	133.8	134.6	135.3	135.8
THETA(13)	142.3	141.8	142.5	143.7	144.7	145.6	146.3	146.7
THETA(14)	153.4	153.2	154.1	155.2	156.1	156.9	157.4	157.8
THETA(15)	166.1	166.0	166.7	167.4	167.9	168.4	168.7	168.9
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	60.8	41.7	31.6	27.4	25.1	23.7	22.8	22.2
BW(1)	98.7	85.2	73.4	66.7	62.4	59.5	57.6	56.3

N=10 DB= 25.

BETAD	2.755	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.438	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.387	0.235	0.150	0.105	0.077	0.056	0.039	0.025
G	15.70	33.71	50.94	63.61	73.16	80.35	85.61	89.06
G(DB)	11.96	15.28	17.07	18.04	18.64	19.05	19.33	19.50
A(1)	1.2802E 00	1.5750E 00	2.4295E 00	3.5676E 00	4.8445E 00	6.1267E 00	7.2852E 00	8.2053E 00
A(2)	1.8265E 00	2.402CE 00	4.3971E 00	7.8101E 00	1.2668E 01	1.8639E 01	2.4977E 01	3.0648E 01
A(3)	2.2770E 00	3.114CE 00	6.2989E 00	1.2507E 01	2.2562E 01	3.6444E 01	5.2683E 01	6.8344E 01
A(4)	2.5318E 00	3.5268E 00	7.4747E 00	1.5638E 01	2.9669E 01	5.0118E 01	7.5173E 01	1.0023E 02
THETAH	28.5	17.8	13.8	12.1	11.1	10.5	10.1	9.9
THETA(1)	46.1	38.0	32.7	29.7	27.8	26.5	25.6	25.1
THETA(2)	51.2	43.9	38.8	35.7	33.6	32.2	31.2	30.6
THETA(3)	57.6	51.2	46.4	43.4	41.2	39.7	38.6	37.9
THETA(4)	64.4	58.7	54.5	51.7	49.6	48.1	47.0	46.3
THETA(5)	71.2	66.3	62.6	60.1	58.2	56.8	55.8	55.1
THETA(6)	77.9	73.6	70.5	68.4	66.9	65.7	64.8	64.2
THETA(7)	84.6	80.9	78.4	76.7	75.5	74.6	73.9	73.5
THETA(8)	91.3	88.1	86.2	85.0	84.2	83.6	83.1	82.8
THETA(9)	98.1	95.4	93.9	93.2	92.8	92.5	92.4	92.3
THETA(10)	104.9	102.7	101.8	101.5	101.5	101.6	101.7	101.8
THETA(11)	112.0	110.2	109.8	110.0	110.3	110.7	111.1	111.3
THETA(12)	119.3	117.9	118.0	118.6	119.4	120.0	120.6	121.0
THETA(13)	127.1	126.1	126.7	127.6	128.6	129.5	130.2	130.6
THETA(14)	135.5	134.9	135.8	137.1	138.2	139.2	139.9	140.4
THETA(15)	144.7	144.5	145.7	147.0	148.2	149.1	149.8	150.2
THETA(16)	155.1	155.1	156.4	157.6	158.5	159.3	159.8	160.1
THETA(17)	166.9	167.1	167.9	168.6	169.2	169.6	169.9	170.1
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	56.9	35.6	27.6	24.2	22.3	21.1	20.3	19.8
BW(1)	92.2	76.1	65.5	59.4	55.6	53.0	51.3	50.2

N=11 DB= 25.

BETAD	2.792	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.444	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.350	0.191	0.122	0.086	0.062	0.045	0.032
G	17.54	42.48	62.41	77.00	87.98	96.22	102.23
G(DB)	12.44	16.28	17.95	18.86	19.44	19.83	20.10
A(1)	1.1739E 00	1.5883E 00	2.5767E 00	3.8684E 00	5.3118E 00	6.7590E 00	8.0660E 00
A(2)	1.6562E 00	2.4711E 00	4.9005E 00	9.1059E 00	1.5187E 01	2.2749E 01	3.0837E 01
A(3)	2.0816E 00	3.3021E 00	7.4157E 00	1.5741E 01	2.9734E 01	4.9609E 01	7.3342E 01
A(4)	2.3739E 00	3.8967E 00	9.3772E 00	2.1440E 01	4.3450E 01	7.7118E 01	1.1992E 02
A(5)	2.4781E 00	4.1127E 00	1.0120E 01	2.3699E 01	4.9137E 01	8.8991E 01	1.4070E 02
THETAH	26.8	15.6	12.3	10.8	10.0	9.5	9.1
THETA(1)	43.4	34.3	29.5	26.8	25.1	23.9	23.1
THETA(2)	48.2	39.9	35.1	32.2	30.3	29.0	28.1
THETA(3)	54.2	46.8	42.2	39.3	37.3	35.8	34.8
THETA(4)	60.4	53.9	49.8	47.0	44.9	43.5	42.4
THETA(5)	66.7	61.0	57.3	54.8	52.9	51.4	50.4
THETA(6)	72.9	67.9	64.7	62.5	60.8	59.5	58.6
THETA(7)	79.0	74.6	71.9	70.1	68.7	67.7	66.9
THETA(8)	85.1	81.2	79.1	77.7	76.6	75.8	75.2
THETA(9)	91.1	87.8	86.1	85.1	84.4	83.9	83.5
THETA(10)	97.2	94.4	93.2	92.6	92.3	92.1	91.9
THETA(11)	103.4	101.0	100.3	100.1	100.2	100.3	100.4
THETA(12)	109.6	107.8	107.5	107.8	108.1	108.5	108.8
THETA(13)	116.2	114.7	114.9	115.5	116.2	116.9	117.4
THETA(14)	123.0	122.0	122.6	123.6	124.5	125.4	126.1
THETA(15)	130.2	129.6	130.6	131.9	133.1	134.1	134.8
THETA(16)	138.1	137.9	139.2	140.7	141.9	142.9	143.7
THETA(17)	146.7	146.9	148.4	149.9	151.1	152.0	152.6
THETA(18)	156.5	156.9	158.3	159.5	160.5	161.2	161.7
THETA(19)	167.6	168.0	168.9	169.6	170.2	170.6	170.8
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	53.7	31.1	24.6	21.7	20.0	19.0	18.3
BW(1)	86.8	68.7	59.1	53.6	50.1	47.8	46.2

N=12 DB= 25.

BETAD	2.823	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.449	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.319	0.158	0.101	0.071	0.052	0.038	0.026
G	19.38	51.94	74.58	91.09	103.47	112.73	119.46
G(DB)	12.87	17.16	18.73	19.59	20.15	20.52	20.77
A(1)	1.0822E 00	1.6184E 00	2.7348E 00	4.1770E 00	5.7845E 00	7.3951E 00	8.8490E 00
A(2)	1.5081E 00	2.5708E 00	5.4544E 00	1.0521E 01	1.7952E 01	2.7281E 01	3.7324E 01
A(3)	1.9C08E 00	3.5303E 00	8.6773E 00	1.9496E 01	3.8275E 01	6.5592E 01	9.8767E 01
A(4)	2.2027E 00	4.3126E 00	1.1600E 01	2.8630E 01	6.1362E 01	1.1351E 02	1.8185E 02
A(5)	2.3668E 00	4.7524E 00	1.3345E 01	3.4457E 01	7.7051E 01	1.4794E 02	2.4434E 02
THETAH	25.5	13.9	11.1	9.8	9.1	8.6	8.3
THETA(1)	41.1	31.3	26.9	24.4	22.8	21.7	21.0
THETA(2)	45.7	36.6	32.1	29.4	27.6	26.4	25.6
THETA(3)	51.3	43.1	38.7	35.9	34.0	32.7	31.7
THETA(4)	57.1	49.9	45.8	43.1	41.1	39.7	38.7
THETA(5)	63.0	56.5	52.9	50.3	48.4	47.0	46.0
THETA(6)	68.7	63.0	59.8	57.5	55.8	54.4	53.5
THETA(7)	74.4	69.3	66.6	64.6	63.1	61.9	61.0
THETA(8)	80.0	75.5	73.2	71.6	70.3	69.4	68.7
THETA(9)	85.5	81.6	79.7	78.5	77.5	76.8	76.3
THETA(10)	91.0	87.6	86.2	85.3	84.7	84.3	83.9
THETA(11)	96.5	93.6	92.6	92.2	91.9	91.7	91.6
THETA(12)	102.1	99.7	99.1	99.0	99.1	99.2	99.3
THETA(13)	107.8	105.8	105.7	106.0	106.4	106.7	107.0
THETA(14)	113.6	112.1	112.4	113.0	113.7	114.3	114.8
THETA(15)	119.7	118.6	119.3	120.3	121.2	122.1	122.7
THETA(16)	126.1	125.5	126.5	127.8	128.9	129.9	130.6
THETA(17)	132.9	132.7	134.1	135.6	136.9	137.9	138.7
THETA(18)	140.2	140.5	142.1	143.7	145.0	146.1	146.8
THETA(19)	148.4	149.0	150.7	152.3	153.5	154.4	155.0
THETA(20)	157.7	158.4	160.0	161.2	162.2	162.8	163.3
THETA(21)	168.3	168.8	169.8	170.5	171.0	171.4	171.6
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	51.0	27.7	22.2	19.7	18.2	17.2	16.6
BW(1)	82.3	62.6	53.8	48.8	45.6	43.5	42.1

N=13 D8= 25.

BETAD	2.848	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.453	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.294	0.274	0.134	0.086	0.060	0.044	0.032	0.022
G	21.22	24.34	62.00	87.34	105.73	119.46	129.68	136.89
G(08)	13.27	13.86	17.92	19.41	20.24	20.77	21.13	21.36
A(1)	1.0027E 00	1.0072E 00	1.6608E 00	2.9010E 00	4.4915E 00	6.2616E 00	8.0340E 00	9.6337E 00
A(2)	1.3798E 00	1.3877E 00	2.6952E 00	6.0570E 00	1.2057E 01	2.0965E 01	3.2238E 01	4.4437E 01
A(3)	1.7384E 00	1.7498E 00	3.7966E 00	1.0094E 01	2.3814E 01	4.8312E 01	8.4674E 01	1.2946E 02
A(4)	2.0346E 00	2.0491E 00	4.7809E 00	1.4184E 01	3.7419E 01	8.4155E 01	1.6123E 02	2.6484E 02
A(5)	2.2301E 00	2.2467E 00	5.4634E 00	1.7253E 01	4.8518E 01	1.1580E 02	2.3367E 02	4.0041E 02
A(6)	2.2983E 00	2.3157E 00	5.7076E 00	1.8394E 01	5.2816E 01	1.2853E 02	2.6383E 02	4.5843E 02
THETAH	24.3	22.5	12.5	10.1	9.0	8.3	7.9	7.6
THETA(1)	39.2	38.1	28.7	24.7	22.4	20.9	19.9	19.3
THETA(2)	43.5	42.5	33.7	29.5	27.0	25.4	24.2	23.5
THETA(3)	48.8	47.9	39.9	35.8	33.1	31.3	30.0	29.1
THETA(4)	54.3	53.5	46.4	42.4	39.7	37.8	36.5	35.5
THETA(5)	59.8	59.1	52.7	49.1	46.5	44.6	43.2	42.2
THETA(6)	65.2	64.6	58.9	55.6	53.3	51.5	50.1	49.1
THETA(7)	70.5	69.9	64.9	62.0	59.9	58.3	57.1	56.1
THETA(8)	75.7	75.2	70.7	68.2	66.4	65.1	64.0	63.2
THETA(9)	80.8	80.3	76.4	74.3	72.9	71.7	70.9	70.2
THETA(10)	85.8	85.4	82.0	80.3	79.2	78.4	77.7	77.2
THETA(11)	90.9	90.5	87.5	86.3	85.5	85.0	84.6	84.3
THETA(12)	95.9	95.6	93.1	92.2	91.8	91.6	91.4	91.4
THETA(13)	101.0	100.7	98.6	98.2	98.1	98.2	98.3	98.4
THETA(14)	106.2	105.9	104.3	104.2	104.5	104.9	105.2	105.5
THETA(15)	111.5	111.2	110.0	110.4	111.0	111.6	112.2	112.7
THETA(16)	117.0	116.7	115.9	116.7	117.6	118.5	119.3	119.9
THETA(17)	122.7	122.5	122.1	123.2	124.4	125.5	126.5	127.2
THETA(18)	128.7	128.5	128.5	130.0	131.4	132.7	133.7	134.5
THETA(19)	135.1	135.0	135.4	137.1	138.7	140.1	141.2	142.0
THETA(20)	142.1	142.0	142.8	144.7	146.4	147.7	148.7	149.5
THETA(21)	149.9	149.8	150.9	152.8	154.3	155.5	156.4	157.0
THETA(22)	158.7	158.6	159.8	161.4	162.7	163.6	164.2	164.6
THETA(23)	168.8	168.8	169.6	170.5	171.2	171.7	172.1	172.3
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	48.6	45.0	25.0	20.2	18.0	16.6	15.8	15.2
BW(1)	78.4	76.1	57.5	49.4	44.8	41.8	39.9	38.6

N=14 D8= 25.

BETAD	2.870	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.457	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.272	0.234	0.115	0.073	0.051	0.037	0.027	0.019
G	23.05	30.47	72.57	100.57	120.78	135.78	146.89	148.59
G(08)	13.63	14.84	18.61	20.02	20.82	21.33	21.67	21.72
A(1)	9.3341E-01	9.5273E-01	1.7124E 00	3.0735E 00	4.8108E 00	6.7420E 00	8.6751E 00	1.0420E 01
A(2)	1.2685E 00	1.3018E 00	2.8402E 00	6.7068E 00	1.3712E 01	2.4225E 01	3.7621E 01	5.2178E 01
A(3)	1.5943E 00	1.6425E 00	4.0990E 00	1.1675E 01	2.8739E 01	5.9971E 01	1.0714E 02	1.6591E 02
A(4)	1.8772E 00	1.9391E 00	5.3059E 00	1.7172E 01	4.8034E 01	1.1264E 02	2.2240E 02	3.7318E 02
A(5)	2.0860E 00	2.1585E 00	6.2588E 00	2.1951E 01	6.6569E 01	1.6819E 02	3.5425E 02	6.2637E 02
A(6)	2.1969E 00	2.2751E 00	6.7850E 00	2.4741E 01	7.8031E 01	2.0445E 02	4.4452E 02	8.0661E 02
THETAH	23.3	19.8	11.4	9.3	8.3	7.7	7.3	7.0
THETA(1)	37.5	35.2	26.6	22.8	20.7	19.3	18.4	17.8
THETA(2)	41.6	39.5	31.3	27.4	25.0	23.5	22.4	21.7
THETA(3)	46.6	44.8	37.2	33.2	30.7	28.9	27.7	26.9
THETA(4)	51.9	50.3	43.4	39.5	36.9	35.1	33.7	32.8
THETA(5)	57.1	55.7	49.5	45.8	43.3	41.4	40.0	39.1
THETA(6)	62.2	60.9	55.3	52.0	49.6	47.8	46.5	45.5
THETA(7)	67.1	66.0	61.0	58.1	55.9	54.2	52.9	52.0
THETA(8)	72.0	70.9	66.5	63.9	62.0	60.5	59.4	58.5
THETA(9)	76.8	75.8	71.9	69.7	68.1	66.8	65.8	65.0
THETA(10)	81.5	80.6	77.1	75.3	74.0	73.0	72.2	71.5
THETA(11)	86.1	85.3	82.3	80.9	79.9	79.1	78.5	78.1
THETA(12)	90.8	90.0	87.5	86.4	85.7	85.2	84.9	84.6
THETA(13)	95.4	94.7	92.6	91.9	91.6	91.4	91.2	91.2
THETA(14)	100.1	99.5	97.8	97.4	97.4	97.5	97.6	97.7
THETA(15)	104.9	104.3	103.0	103.0	103.3	103.7	104.0	104.3
THETA(16)	109.7	109.2	108.3	108.6	109.3	109.9	110.4	110.9
THETA(17)	114.7	114.3	113.7	114.4	115.3	116.2	117.0	117.6
THETA(18)	119.9	119.5	119.3	120.4	121.6	122.7	123.6	124.3
THETA(19)	125.3	124.9	125.1	126.5	128.0	129.2	130.3	131.0
THETA(20)	131.0	130.7	131.3	133.0	134.6	136.0	137.1	137.9
THETA(21)	137.1	136.9	137.8	139.7	141.5	142.9	144.0	144.8
THETA(22)	143.8	143.6	144.9	146.9	148.7	150.0	151.0	151.7
THETA(23)	151.2	151.0	152.5	154.5	156.1	157.3	158.1	158.7
THETA(24)	159.6	159.5	161.0	162.7	163.9	164.8	165.4	165.8
THETA(25)	169.3	169.2	170.2	171.2	171.9	172.3	172.7	172.9
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	46.5	39.5	22.8	18.6	16.6	15.4	14.6	14.1
BW(1)	75.0	70.5	53.2	45.6	41.4	38.6	36.8	35.6

N=15 D8= 25.

BETAD	2.889	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMBDA	0.460	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.253	0.203	0.099	0.063	0.044	0.032	0.023
G	24.87	37.09	83.57	114.16	136.09	152.27	164.08
G(D8)	13.96	15.69	19.22	20.58	21.34	21.83	22.15
A(1)	8.7257E-01	9.1348E-01	1.7710E 00	3.2509E 00	5.1337E 00	7.2252E 00	9.3181E 00
A(2)	1.1717E 00	1.2413E 00	3.0032E 00	7.4029E 00	1.5487E 01	2.7733E 01	4.3429E 01
A(3)	1.4673E 00	1.5679E 00	4.4364E 00	1.3429E 01	3.4313E 01	7.3378E 01	1.3326E 02
A(4)	1.7332E 00	1.8635E 00	5.8910E 00	2.0608E 01	6.0713E 01	1.4770E 02	2.9935E 02
A(5)	1.9445E 00	2.0994E 00	7.1497E 00	2.7558E 01	8.9383E 01	2.3744E 02	5.1917E 02
A(6)	2.0805E 00	2.2516E 00	8.0C51E 00	3.2633E 01	1.1191E 02	3.1295E 02	7.1547E 02
A(7)	2.1274E 00	2.3C42E 00	8.3083E 00	3.4495E 01	1.2048E 02	3.4265E 02	7.9500E 02
THETAH	22.4	17.6	10.5	8.6	7.7	7.1	6.8
THETA(1)	36.0	32.8	24.7	21.2	19.2	18.0	17.1
THETA(2)	39.9	37.0	29.2	25.5	23.3	21.8	20.8
THETA(3)	44.7	42.1	34.9	31.0	28.6	26.9	25.8
THETA(4)	49.7	47.4	40.8	37.0	34.4	32.6	31.4
THETA(5)	54.7	52.6	46.6	43.0	40.4	38.6	37.3
THETA(6)	59.5	57.7	52.2	48.9	46.4	44.6	43.3
THETA(7)	64.2	62.6	57.6	54.6	52.4	50.6	49.3
THETA(8)	68.8	67.3	62.9	60.2	58.2	56.6	55.4
THETA(9)	73.3	71.9	68.C	65.6	63.9	62.5	61.4
THETA(10)	77.7	76.4	73.0	71.0	69.5	68.3	67.4
THETA(11)	82.1	80.9	77.9	76.2	75.0	74.1	73.3
THETA(12)	86.4	85.3	82.7	81.4	80.5	79.8	79.2
THETA(13)	90.7	89.7	87.5	86.5	85.9	85.5	85.2
THETA(14)	95.0	94.1	92.3	91.6	91.3	91.2	91.1
THETA(15)	99.4	98.5	97.1	96.8	96.8	96.9	97.C
THETA(16)	103.7	103.0	101.9	102.0	102.3	102.6	102.9
THETA(17)	108.2	107.5	106.8	107.2	107.8	108.4	108.9
THETA(18)	112.8	112.2	111.8	112.5	113.4	114.3	115.0
THETA(19)	117.5	117.0	117.0	118.0	119.2	120.2	121.1
THETA(20)	122.4	122.0	122.3	123.7	125.1	126.3	127.3
THETA(21)	127.5	127.2	127.9	129.5	131.1	132.5	133.6
THETA(22)	133.0	132.7	133.7	135.6	137.4	138.8	139.9
THETA(23)	138.8	138.6	140.C	142.1	143.9	145.3	146.4
THETA(24)	145.2	145.0	146.7	148.9	150.7	152.C	153.0
THETA(25)	152.3	152.2	154.0	156.1	157.7	158.8	159.6
THETA(26)	160.4	160.4	162.1	163.8	165.0	165.8	166.4
THETA(27)	169.7	169.7	170.8	171.8	172.4	172.9	173.2
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.C	180.0
BW(H)	44.7	35.2	20.9	17.2	15.3	14.2	13.5
BW(1)	72.0	65.6	49.4	42.4	38.4	35.9	34.2

N=20 D8= 25.

BETAD	2.955	2.827	2.513	2.199	1.885	1.571
D/LAMBDA	0.470	0.450	0.400	0.350	0.300	0.250
ALPHA	0.187	0.110	0.054	0.034	0.024	0.018
G	33.84	75.80	142.54	184.20	212.86	232.68
G(OB)	15.29	18.80	21.54	22.65	23.28	23.67
A(1)	6.5552E-01	8.4467E-01	2.1270E 00	4.1841E 00	6.7835E 00	9.6668E 00
A(2)	8.3645E-01	1.1451E 00	4.0319E 00	1.1555E 01	2.6158E 01	4.9013E 01
A(3)	1.0221E 00	1.4664E 00	6.6317E 00	2.5107E 01	7.3375E 01	1.7102E 02
A(4)	1.2039E 00	1.7919E 00	9.8247E 00	4.6064E 01	1.6442E 02	4.5651E 02
A(5)	1.3731E 00	2.1031E 00	1.337RE 01	7.3979E 01	3.0869E 02	9.8463E 02
A(6)	1.5209E 00	2.3809E 00	1.6947E 01	1.0620E 02	4.9921E 02	1.7720E 03
A(7)	1.6395E 00	2.6075E 00	2.0126E 01	1.3802E 02	7.0739E 02	2.7150E 03
A(8)	1.7225E 00	2.7677E 00	2.2516E 01	1.6374E 02	8.8781E 02	3.5861E 03
A(9)	1.7652E 00	2.8507E 00	2.3800E 01	1.7815E 02	9.9314E 02	4.1142E 03
THETAH	19.0	11.4	7.5	6.3	5.6	5.2
THETA(1)	30.5	24.4	18.3	15.7	14.2	13.2
THETA(2)	33.7	28.1	21.9	18.9	17.2	16.1
THETA(3)	37.8	32.7	26.5	23.2	21.3	20.0
THETA(4)	41.9	37.3	31.3	28.0	25.8	24.3
THETA(5)	46.0	41.8	36.2	32.8	30.4	28.8
THETA(6)	50.0	46.2	40.9	37.5	35.1	33.4
THETA(7)	53.8	50.3	45.4	42.2	39.8	38.1
THETA(8)	57.5	54.3	49.8	46.7	44.4	42.7
THETA(9)	61.1	58.1	54.0	51.1	49.0	47.3
THETA(10)	64.6	61.8	58.0	55.4	53.4	51.8
THETA(11)	68.0	65.4	62.0	59.6	57.8	56.3
THETA(12)	71.3	68.9	65.8	63.7	62.0	60.7
THETA(13)	74.6	72.4	69.6	67.7	66.3	65.0
THETA(14)	77.8	75.7	73.3	71.7	70.4	69.4
THETA(15)	81.0	79.1	76.9	75.6	74.5	73.7
THETA(16)	84.2	82.4	80.5	79.5	78.6	77.9
THETA(17)	87.3	85.7	84.1	83.3	82.7	82.2
THETA(18)	90.5	89.0	87.7	87.1	86.7	86.4
THETA(19)	93.6	92.2	91.2	90.9	90.7	90.6
THETA(20)	96.8	95.5	94.8	94.7	94.8	94.9
THETA(21)	100.0	98.8	98.4	98.5	98.8	99.1
THETA(22)	103.2	102.2	102.0	102.4	102.9	103.4
THETA(23)	106.4	105.5	105.6	106.3	107.0	107.7
THETA(24)	109.7	108.9	109.3	110.2	111.1	112.0
THETA(25)	113.1	112.4	113.1	114.2	115.4	116.4
THETA(26)	116.6	116.0	116.9	118.3	119.6	120.8
THETA(27)	120.1	119.7	120.8	122.5	124.0	125.3
THETA(28)	123.8	123.4	124.9	126.8	128.5	129.9
THETA(29)	127.6	127.4	129.1	131.2	133.0	134.5
THETA(30)	131.6	131.5	133.5	135.8	137.7	139.2
THETA(31)	135.8	135.8	138.1	140.6	142.5	144.1
THETA(32)	140.3	140.4	143.0	145.5	147.5	149.0
THETA(33)	145.2	145.4	148.2	150.7	152.6	154.0
THETA(34)	150.5	150.9	153.8	156.2	157.9	159.0
THETA(35)	156.5	157.0	159.7	161.8	163.2	164.2
THETA(36)	163.3	163.8	166.1	167.7	168.8	169.4
THETA(37)	171.2	171.6	173.0	173.8	174.4	174.7
THETA(38)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	38.0	22.8	15.0	12.5	11.3	10.5
BW(1)	61.0	48.8	36.6	31.3	28.4	26.5

N=25 08= 25.

BETA0	2.993	2.827	2.513	2.199	1.885
D/LAMBDA	0.476	0.450	0.400	0.350	0.300
ALPHA	0.149	0.070	0.034	0.022	0.015
G	42.57	120.11	202.78	251.33	282.54
G(08)	16.29	20.80	23.07	24.00	24.51
A(1)	5.2347E-01	8.7279E-01	2.5367E 00	5.1583E 00	8.4654E 00
A(2)	6.4336E-01	1.2061E 00	5.3519E 00	1.6799E 01	3.9818E 01
A(3)	7.6759E-01	1.5807E 00	9.6937E 00	4.2423E 01	1.3489E 02
A(4)	8.9277E-01	1.9849E 00	1.5749E 01	8.9908E 01	3.6366E 02
A(5)	1.0152E 00	2.4038E 00	2.3498E 01	1.6651E 02	8.2159E 02
A(6)	1.1311E 00	2.8200E 00	3.2658E 01	2.7600E 02	1.6039E 03
A(7)	1.2368E 00	3.2150E 00	4.2674E 01	4.1576E 02	2.7599E 03
A(8)	1.3287E 00	3.5698E 00	5.2760E 01	5.7507E 02	4.2425E 03
A(9)	1.4038E 00	3.8669E 00	6.1989E 01	7.3557E 02	5.8796E 03
A(10)	1.4593E 00	4.0911E 00	6.9419E 01	8.7426E 02	7.3932E 03
A(11)	1.4935E 00	4.2305E 00	7.4244E 01	9.6858E 02	8.4694E 03
A(12)	1.5050E 00	4.2779E 00	7.5916E 01	1.0020E 03	8.8596E 03
THETAH	16.8	8.5	5.9	4.9	4.4
THETA(1)	26.9	19.4	14.5	12.4	11.2
THETA(2)	29.8	22.7	17.5	15.1	13.7
THETA(3)	33.3	26.8	21.3	18.6	16.9
THETA(4)	36.9	30.9	25.4	22.4	20.6
THETA(5)	40.5	35.0	29.6	26.4	24.4
THETA(6)	43.9	38.8	33.7	30.4	28.2
THETA(7)	47.2	42.5	37.6	34.4	32.1
THETA(8)	50.4	46.0	41.4	38.2	35.9
THETA(9)	53.4	49.4	45.0	42.0	39.7
THETA(10)	56.4	52.6	48.6	45.6	43.4
THETA(11)	59.3	55.8	52.0	49.2	47.1
THETA(12)	62.1	58.8	55.3	52.7	50.7
THETA(13)	64.8	61.7	58.5	56.1	54.2
THETA(14)	67.5	64.6	61.7	59.5	57.7
THETA(15)	70.2	67.5	64.7	62.7	61.1
THETA(16)	72.8	70.2	67.8	65.9	64.5
THETA(17)	75.3	73.0	70.7	69.1	67.8
THETA(18)	77.9	75.7	73.7	72.3	71.1
THETA(19)	80.4	78.3	76.6	75.4	74.4
THETA(20)	82.9	81.0	79.4	78.4	77.6
THETA(21)	85.4	83.6	82.3	81.5	80.8
THETA(22)	87.9	86.2	85.1	84.5	84.1
THETA(23)	90.4	88.8	88.0	87.5	87.3
THETA(24)	92.8	91.4	90.8	90.6	90.5
THETA(25)	95.3	94.0	93.6	93.6	93.7
THETA(26)	97.8	96.6	96.4	96.6	96.9
THETA(27)	100.3	99.3	99.3	99.7	100.1
THETA(28)	102.9	101.9	102.1	102.7	103.3
THETA(29)	105.4	104.6	105.0	105.8	106.6
THETA(30)	108.0	107.3	107.9	108.9	109.9
THETA(31)	110.6	110.0	110.9	112.1	113.2
THETA(32)	113.3	112.8	113.9	115.3	116.6
THETA(33)	116.0	115.6	117.0	118.5	120.0
THETA(34)	118.8	118.5	120.1	121.9	123.4
THETA(35)	121.6	121.5	123.3	125.3	127.0
THETA(36)	124.5	124.6	126.6	128.7	130.6
THETA(37)	127.6	127.7	130.0	132.3	134.2
THETA(38)	130.7	131.0	133.5	136.0	138.0
THETA(39)	134.0	134.4	137.2	139.7	141.8
THETA(40)	137.5	138.0	141.0	143.6	145.7
THETA(41)	141.1	141.8	145.0	147.7	149.7
THETA(42)	145.0	145.9	149.2	151.9	153.8
THETA(43)	149.3	150.3	153.7	156.2	158.0
THETA(44)	154.0	155.1	158.4	160.7	162.3
THETA(45)	159.2	160.4	163.5	165.4	166.6
THETA(46)	165.3	166.3	168.8	170.2	171.0
THETA(47)	172.2	172.9	174.3	175.1	175.5
THETA(48)	180.0	180.0	180.0	180.0	180.0
BW(H)	33.6	17.0	11.7	9.9	8.9
BW(1)	53.8	38.8	29.0	24.8	22.5

N=30 08= 25.

BETA0	3.019	2.827	2.513	2.199
D/LAMBDA	0.480	0.450	0.400	0.350
ALPHA	0.123	0.047	0.023	0.015
G	51.07	166.14	259.36	310.69
G(08)	17.08	22.20	24.14	24.92
A(1)	4.3522E-01	9.3915E-01	2.9707E 00	6.1521E 00
A(2)	5.2013E-01	1.3345E 00	6.9268E 00	2.3119E 01
A(3)	6.0831E-01	1.7980E 00	1.3696E 01	6.6467E 01
A(4)	6.9815E-01	2.3221E 00	2.4146E 01	1.5527E 02
A(5)	7.8791E-01	2.8949E 00	3.8978E 01	3.3237E 02
A(6)	8.7576E-01	3.5009E 00	5.8547E 01	6.2000E 02
A(7)	9.5982E-01	4.1208E 00	8.2694E 01	1.0515E 03
A(8)	1.0382E 00	4.7332E 00	1.1064E 02	1.6406E 03
A(9)	1.1092E 00	5.3151E 00	1.4095E 02	2.3741E 03
A(10)	1.1713E 00	5.8436E 00	1.7165E 02	3.2062E 03
A(11)	1.2228E 00	6.2967E 00	2.0037E 02	4.0587E 03
A(12)	1.2625E 00	6.6552E 00	2.2466E 02	4.8315E 03
A(13)	1.2895E 00	6.9035E 00	2.4228E 02	5.4205E 03
A(14)	1.3029E 00	7.0306E 00	2.5155E 02	5.7394E 03
THETAH	15.2	6.8	4.8	4.1
THETA(1)	24.3	16.1	12.0	10.3
THETA(2)	26.9	19.0	14.5	12.5
THETA(3)	30.1	22.7	17.8	15.4
THETA(4)	33.4	26.5	21.4	18.7
THETA(5)	36.5	30.1	25.0	22.1
THETA(6)	39.6	33.7	28.6	25.6
THETA(7)	42.6	37.0	32.1	29.0
THETA(8)	45.4	40.2	35.5	32.3
THETA(9)	48.1	43.3	38.7	35.6
THETA(10)	50.7	46.2	41.9	38.8
THETA(11)	53.3	49.0	44.9	42.0
THETA(12)	55.7	51.7	47.9	45.0
THETA(13)	58.2	54.4	50.7	48.0
THETA(14)	60.5	56.9	53.5	50.9
THETA(15)	62.8	59.4	56.3	53.8
THETA(16)	65.1	61.9	58.9	56.6
THETA(17)	67.3	64.3	61.5	59.4
THETA(18)	69.5	66.6	64.1	62.1
THETA(19)	71.6	68.9	66.6	64.8
THETA(20)	73.8	71.2	69.1	67.5
THETA(21)	75.9	73.5	71.6	70.1
THETA(22)	78.0	75.7	74.0	72.7
THETA(23)	80.0	77.9	76.4	75.3
THETA(24)	82.1	80.1	78.8	77.8
THETA(25)	84.2	82.3	81.1	80.3
THETA(26)	86.2	84.5	83.5	82.9
THETA(27)	88.2	86.6	85.8	85.4
THETA(28)	90.3	88.8	88.2	87.9
THETA(29)	92.3	91.0	90.5	90.4
THETA(30)	94.4	93.1	92.9	92.9
THETA(31)	96.4	95.3	95.2	95.4
THETA(32)	98.5	97.5	97.6	97.9
THETA(33)	100.6	99.6	99.9	100.4
THETA(34)	102.6	101.8	102.3	103.0
THETA(35)	104.7	104.1	104.7	105.6
THETA(36)	106.9	106.3	107.1	108.1
THETA(37)	109.0	108.5	109.6	110.7
THETA(38)	111.2	110.8	112.0	113.4
THETA(39)	113.4	113.1	114.5	116.0
THETA(40)	115.6	115.5	117.1	118.7
THETA(41)	117.9	117.9	119.7	121.5
THETA(42)	120.2	120.3	122.3	124.3
THETA(43)	122.6	122.8	125.0	127.1
THETA(44)	125.0	125.4	127.8	130.1
THETA(45)	127.5	128.1	130.6	133.0
THETA(46)	130.1	130.8	133.6	136.1
THETA(47)	132.8	133.6	136.6	139.2
THETA(48)	135.6	136.6	139.7	142.4
THETA(49)	138.5	139.6	143.0	145.7
THETA(50)	141.6	142.9	146.4	149.2
THETA(51)	144.9	146.3	149.9	152.7
THETA(52)	148.4	150.0	153.7	156.3
THETA(53)	152.2	154.0	157.6	160.0
THETA(54)	156.4	158.3	161.7	163.9
THETA(55)	161.2	163.0	166.1	167.8
THETA(56)	166.7	168.2	170.6	171.8
THETA(57)	173.0	174.0	175.3	175.9
THETA(58)	180.0	180.0	180.0	180.0
BW(H)	30.4	13.7	9.6	8.2
BW(1)	48.7	32.2	24.1	20.6

N= 3 08= 30.

BETAO	1.821	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.290	0.250	0.200	0.150	0.100	0.050
ALPHA	1.321	1.086	0.826	0.596	0.387	0.190
G	3.15	4.03	4.94	5.63	6.11	6.40
G(OB)	4.99	6.05	6.94	7.51	7.86	8.06
A(1)	1.8774E 00	1.8845E 00	1.9087E 00	1.9407E 00	1.9710E 00	1.9924E 00
THETAH	67.5	57.6	49.8	45.3	42.8	41.5
THETA(1)	122.1	118.3	114.6	111.9	110.2	109.1
THETA(2)	136.5	133.7	131.1	129.2	128.0	127.3
THETA(3)	156.7	155.3	154.0	153.1	152.5	152.2
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	135.0	115.1	99.5	90.7	85.6	83.0
BW(1)	244.3	236.5	229.1	223.9	220.3	218.3

N= 4 08= 30.

BETAO	2.063	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.328	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.079	0.916	0.688	0.509	0.361	0.232	0.113
G	4.53	5.85	7.85	9.40	10.55	11.34	11.80
G(OB)	6.56	7.67	8.95	9.73	10.23	10.54	72
A(1)	2.3309E 00	2.3506E 00	2.4529E 00	2.6005E 00	2.7537E 00	2.8837E 00	2.9699E 00
THETAH	55.0	47.0	38.6	34.3	31.9	30.5	29.7
THETA(1)	96.6	92.6	87.5	83.9	81.4	79.8	78.9
THETA(2)	107.0	103.7	99.5	96.5	94.5	93.2	92.4
THETA(3)	121.5	119.1	116.0	113.9	112.5	111.7	111.2
THETA(4)	139.0	137.4	135.4	134.2	133.5	133.1	132.9
THETA(5)	158.7	157.9	157.0	156.5	156.3	156.1	156.1
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	110.1	94.1	77.2	68.6	63.7	60.9	59.5
BW(1)	193.2	185.3	174.9	167.8	162.9	159.7	157.9

N= 5 08= 30.

BETAO	2.252	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.358	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.890	0.839	0.606	0.447	0.327	0.230	0.147	0.072
G	6.05	6.77	10.56	13.55	15.82	17.49	18.63	19.30
G(OB)	7.82	8.31	10.24	11.32	11.99	12.43	12.70	12.86
A(1)	2.4123E 00	2.4166E 00	2.5747E 00	2.8634E 00	3.1961E 00	3.5139E 00	3.7730E 00	3.9416E 00
A(2)	3.1397E 00	3.1466E 00	3.4033E 00	3.8883E 00	4.4729E 00	5.0573E 00	5.5524E 00	5.8836E 00
THETAH	47.0	44.1	33.2	28.3	25.8	24.3	23.4	22.9
THETA(1)	81.0	79.5	72.6	68.2	65.2	63.2	61.8	61.1
THETA(2)	89.1	87.8	81.9	78.0	75.3	73.5	72.3	71.6
THETA(3)	100.3	99.2	94.4	91.3	89.2	87.7	86.8	86.2
THETA(4)	113.3	112.4	108.7	106.5	105.1	104.1	103.6	103.2
THETA(5)	127.7	127.0	124.5	123.1	122.3	121.9	121.7	121.6
THETA(6)	143.6	143.2	141.6	140.9	140.7	140.6	140.6	140.7
THETA(7)	161.2	161.0	160.2	160.0	160.0	160.1	160.2	160.2
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	94.1	88.2	66.5	56.7	51.6	48.6	46.8	45.9
BW(1)	162.0	158.9	145.3	136.4	130.4	126.3	123.7	122.2

N= 6 08= 30.

BETAO	2.394	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.381	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.748	0.586	0.417	0.305	0.223	0.156	0.100	0.049
G	7.67	11.63	16.94	21.03	24.12	26.39	27.95	28.86
G(OB)	8.85	10.65	12.29	13.23	13.82	14.21	14.46	14.60
A(1)	2.3129E 00	2.3969E 00	2.7585E 00	3.2522E 00	3.7789E 00	4.2670E 00	4.6591E 00	4.9125E 00
A(2)	3.3828E 00	3.5458E 00	4.2804E 00	5.3675E 00	6.6350E 00	7.9083E 00	9.0006E 00	9.7390E 00
THETAH	41.5	32.3	25.4	22.3	20.6	19.6	18.9	18.6
THETA(1)	70.6	65.1	59.3	55.5	53.0	51.3	50.2	49.6
THETA(2)	77.4	72.5	67.3	63.9	61.5	59.9	58.8	58.2
THETA(3)	86.6	82.5	78.0	75.1	73.0	71.6	70.7	70.1
THETA(4)	97.0	93.6	90.0	87.7	86.2	85.1	84.4	84.0
THETA(5)	108.2	105.5	102.8	101.2	100.2	99.6	99.2	98.9
THETA(6)	120.2	118.1	116.3	115.4	114.9	114.7	114.6	114.6
THETA(7)	133.2	131.7	130.6	130.3	130.3	130.4	130.5	130.6
THETA(8)	147.5	146.5	146.0	146.1	146.3	146.6	146.8	146.9
THETA(9)	163.2	162.7	162.6	162.7	163.0	163.2	163.3	163.4
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	83.0	64.6	50.8	44.6	41.2	39.1	37.9	37.2
BW(1)	141.2	130.2	118.6	111.1	106.1	102.7	100.5	99.2

N= 7 D8= 30.

BETAD	2.500	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.398	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.642	0.427	0.302	0.220	0.160	0.112	0.072	0.035
G	9.34	17.89	24.86	30.18	34.21	37.18	39.22	40.42
G(08)	9.70	12.53	13.95	14.80	15.34	15.70	15.94	16.07
A(1)	2.1507E 00	2.4006E 00	2.9632E 00	3.6551E 00	4.3704E 00	5.0247E 00	5.5473E 00	5.8839E 00
A(2)	3.3071E 00	3.8414E 00	5.1584E 00	6.9950E 00	9.1456E 00	1.1337E 01	1.3240E 01	1.4539E 01
A(3)	3.7846E 00	4.4497E 00	6.1311E 00	8.5604E 00	1.1510E 01	1.4615E 01	1.7385E 01	1.9310E 01
THETAH	37.4	25.2	20.6	18.4	17.1	16.4	15.9	15.6
THETA(1)	63.2	54.9	49.9	46.7	44.6	43.2	42.2	41.7
THETA(2)	69.1	61.7	57.0	54.0	51.8	50.4	49.4	48.9
THETA(3)	77.0	70.6	66.5	63.7	61.8	60.4	59.5	58.9
THETA(4)	85.8	80.4	77.0	74.7	73.0	71.9	71.1	70.6
THETA(5)	95.1	90.6	87.9	86.2	85.0	84.1	83.6	83.2
THETA(6)	104.9	101.2	99.2	98.1	97.3	96.9	96.6	96.4
THETA(7)	115.1	112.2	110.9	110.3	110.1	110.0	109.9	109.9
THETA(8)	125.9	123.8	123.1	123.0	123.2	123.4	123.6	123.7
THETA(9)	137.6	136.2	136.0	136.3	136.7	137.1	137.4	137.6
THETA(10)	150.5	149.6	149.8	150.3	150.8	151.2	151.5	151.7
THETA(11)	164.7	164.4	164.6	164.9	165.3	165.5	165.7	165.8
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	74.9	50.4	41.2	36.8	34.3	32.7	31.8	31.3
BW(1)	126.4	109.9	99.9	93.5	89.2	86.3	84.4	83.4

N= 8 D8= 30.

BETAD	2.581	2.513	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.411	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.561	0.499	0.322	0.227	0.165	0.120	0.084	0.054	0.026
G	11.04	13.91	25.45	34.23	40.93	46.03	49.79	52.39	53.57
G(08)	10.43	11.43	14.06	15.34	16.12	16.63	16.97	17.19	17.29
A(1)	1.9783E 00	1.9992E 00	2.4458E 00	3.1956E 00	4.0760E 00	4.9730E 00	5.7886E 00	6.4381E 00	6.8559E 00
A(2)	3.0965E 00	3.1411E 00	4.1549E 00	6.1132E 00	8.8227E 00	1.2039E 01	1.5362E 01	1.8281E 01	2.0286E 01
A(3)	3.8136E 00	3.8751E 00	5.3081E 00	8.2380E 00	1.2578E 01	1.8082E 01	2.4107E 01	2.9648E 01	3.3577E 01
THETAH	34.3	30.1	20.7	17.3	15.7	14.7	14.1	13.7	13.5
THETA(1)	57.6	55.1	47.4	43.1	40.3	38.4	37.2	36.4	35.9
THETA(2)	62.9	60.6	53.6	49.4	46.7	44.8	43.5	42.6	42.1
THETA(3)	69.9	67.9	61.7	57.9	55.3	53.5	52.2	51.3	50.8
THETA(4)	77.6	75.9	70.6	67.3	65.0	63.3	62.1	61.3	60.9
THETA(5)	85.7	84.3	79.7	77.0	75.1	73.8	72.8	72.1	71.8
THETA(6)	94.0	92.8	89.0	86.9	85.5	84.5	83.8	83.4	83.1
THETA(7)	102.5	101.5	98.4	96.9	96.0	95.5	95.1	94.9	94.8
THETA(8)	111.4	110.4	108.1	107.2	106.8	106.7	106.6	106.6	106.7
THETA(9)	120.6	119.8	118.1	117.8	117.8	118.1	118.3	118.6	118.7
THETA(10)	130.4	129.8	128.7	128.8	129.3	129.8	130.3	130.6	130.8
THETA(11)	141.1	140.6	140.1	140.6	141.2	141.9	142.4	142.8	143.0
THETA(12)	152.9	152.6	152.4	153.0	153.7	154.3	154.8	155.1	155.3
THETA(13)	165.9	165.8	165.8	166.3	166.7	167.1	167.3	167.5	167.7
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	68.6	60.1	41.3	34.7	31.3	29.4	28.1	27.3	26.9
BW(1)	115.2	110.2	94.9	86.2	80.6	76.9	74.4	72.8	71.8

N= 9 D8= 30.

BETAD	2.645	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.421	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.497	0.390	0.251	0.176	0.128	0.093	0.065	0.042
G	12.76	19.98	34.23	44.98	53.22	59.51	64.16	67.36
G(08)	11.06	13.00	15.34	16.53	17.26	17.75	18.07	18.28
A(1)	1.8158E 00	1.9028E 00	2.5261E 00	3.4510E 00	4.5121E 00	5.5852E 00	6.5578E 00	7.3314E 00
A(2)	2.8462E 00	3.0343E 00	4.5203E 00	7.1726E 00	1.0874E 01	1.5334E 01	1.9997E 01	2.4128E 01
A(3)	3.6516E 00	3.9284E 00	6.2206E 00	1.0690E 01	1.7562E 01	2.6627E 01	3.6874E 01	4.6521E 01
A(4)	3.9565E 00	4.2688E 00	6.8912E 00	1.2146E 01	2.0472E 01	3.1774E 01	4.4871E 01	5.7448E 01
THETAH	31.8	24.4	17.5	15.0	13.6	12.8	12.3	12.0
THETA(1)	53.2	48.5	41.7	37.8	35.4	33.8	32.7	31.9
THETA(2)	58.1	53.8	47.4	43.6	41.1	39.4	38.2	37.4
THETA(3)	64.4	60.6	54.9	51.3	48.8	47.1	45.9	45.1
THETA(4)	71.4	68.0	63.0	59.8	57.5	55.9	54.7	53.9
THETA(5)	78.6	75.7	71.3	68.6	66.6	65.2	64.2	63.4
THETA(6)	85.9	83.4	79.7	77.5	75.9	74.8	73.9	73.4
THETA(7)	93.3	91.1	88.1	86.4	85.3	84.5	83.9	83.5
THETA(8)	100.8	98.9	96.6	95.4	94.7	94.3	94.0	93.8
THETA(9)	108.5	107.0	105.2	104.5	104.3	104.2	104.2	104.2
THETA(10)	116.6	115.2	114.0	113.8	114.0	114.3	114.6	114.8
THETA(11)	125.0	123.9	123.3	123.5	124.1	124.6	125.1	125.4
THETA(12)	134.0	133.2	133.0	133.7	134.4	135.2	135.8	136.2
THETA(13)	143.9	143.3	143.5	144.4	145.3	146.0	146.6	147.1
THETA(14)	154.8	154.4	154.8	155.7	156.5	157.2	157.6	158.0
THETA(15)	166.9	166.8	167.1	167.7	168.1	168.5	168.8	169.0
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	63.7	48.9	35.1	30.0	27.3	25.7	24.6	24.0
BW(1)	106.5	97.0	83.4	75.7	70.8	67.5	65.3	63.9

N=10 08= 30.

BETA0	2.696	2.513	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.429	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.446	0.313	0.201	0.141	0.103	0.075	0.052	0.033
G	14.50	27.02	44.15	57.06	66.98	74.56	80.18	83.92
G(08)	11.61	14.32	16.45	17.56	18.26	18.73	19.04	19.24
A(1)	1.6695E 00	1.8503E 00	2.6330E 00	3.7240E 00	4.9600E 00	6.2050E 00	7.3314E 00	8.2266E 00
A(2)	2.5986E 00	2.9916E 00	4.9439E 00	8.3467E 00	1.3161E 01	1.9039E 01	2.5248E 01	3.0786E 01
A(3)	3.4095E 00	4.0131E 00	7.2356E 00	1.3554E 01	2.3650E 01	3.7427E 01	5.3409E 01	6.8737E 01
A(4)	3.8830E 00	4.6182E 00	8.6728E 00	1.7059E 01	3.1231E 01	5.1603E 01	7.6318E 01	1.0087E 02
THETAH	29.8	20.5	15.3	13.2	12.1	11.4	11.0	10.7
THETA(1)	49.7	43.3	37.2	33.7	31.5	30.1	29.1	28.5
THETA(2)	54.1	48.3	42.5	39.0	36.7	35.1	34.1	33.4
THETA(3)	60.0	54.7	49.4	46.0	43.7	42.1	40.9	40.2
THETA(4)	66.4	61.7	56.9	53.8	51.6	50.0	48.9	48.1
THETA(5)	72.9	68.8	64.6	61.9	59.9	58.4	57.3	56.6
THETA(6)	79.5	75.9	72.3	70.0	68.3	67.0	66.1	65.5
THETA(7)	86.1	83.0	80.0	78.1	76.8	75.8	75.0	74.5
THETA(8)	92.8	90.0	87.6	86.2	85.2	84.5	84.1	83.7
THETA(9)	99.5	97.2	95.2	94.3	93.7	93.4	93.2	93.0
THETA(10)	106.4	104.4	103.0	102.5	102.3	102.3	102.4	102.4
THETA(11)	113.4	111.8	110.9	110.8	111.1	111.4	111.7	111.9
THETA(12)	120.8	119.5	119.1	119.4	120.0	120.6	121.1	121.4
THETA(13)	128.6	127.6	127.6	128.4	129.2	130.0	130.6	131.0
THETA(14)	137.0	136.3	136.7	137.7	138.7	139.6	140.2	140.7
THETA(15)	146.2	145.7	146.4	147.6	148.6	149.4	150.0	150.5
THETA(16)	156.4	156.1	156.9	157.9	158.8	159.5	159.9	160.3
THETA(17)	167.7	167.7	168.2	168.8	169.3	169.7	169.9	170.1
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	59.6	41.1	30.5	26.4	24.2	22.8	21.9	21.4
BW(1)	99.4	86.6	74.4	67.5	63.1	60.2	58.2	56.9

N=11 08= 30.

BETA0	2.738	2.513	2.199	1.885	1.571	1.257	0.942
O/LAMBDA	0.436	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.404	0.256	0.164	0.115	0.084	0.061	0.043
G	16.25	34.99	55.17	70.41	82.14	91.13	97.78
G(08)	12.11	15.44	17.42	18.48	19.15	19.60	19.90
A(1)	1.5401E 00	1.8302E 00	2.7594E 00	4.0103E 00	5.4171E 00	6.8307E 00	8.1084E 00
A(2)	2.3702E 00	3.0025E 00	5.4244E 00	9.6392E 00	1.5688E 01	2.3161E 01	3.1120E 01
A(3)	3.1458E 00	4.1464E 00	8.3785E 00	1.6885E 01	3.0973E 01	5.0761E 01	7.4212E 01
A(4)	3.6983E 00	4.9834E 00	1.0716E 01	2.3168E 01	4.5476E 01	7.9138E 01	1.2154E 02
A(5)	3.8985E 00	5.2907E 00	1.1607E 01	2.5671E 01	5.1508E 01	9.1409E 01	1.4267E 02
THETAH	28.1	17.7	13.5	11.8	10.8	10.3	9.9
THETA(1)	46.8	39.1	33.6	30.4	28.4	27.1	26.2
THETA(2)	50.9	43.8	38.5	35.2	33.1	31.7	30.7
THETA(3)	56.3	50.0	44.9	41.7	39.5	38.0	36.9
THETA(4)	62.2	56.6	52.0	49.9	46.8	45.2	44.1
THETA(5)	68.3	63.3	59.2	56.4	54.4	52.9	51.8
THETA(6)	74.3	69.9	66.3	63.9	62.1	60.8	59.8
THETA(7)	80.4	76.4	73.4	71.3	69.8	68.7	67.9
THETA(8)	86.4	82.9	80.4	78.7	77.6	76.7	76.1
THETA(9)	92.4	89.4	87.3	86.1	85.3	84.7	84.3
THETA(10)	98.5	95.8	94.3	93.5	93.0	92.8	92.6
THETA(11)	104.6	102.4	101.3	100.9	100.9	100.9	100.9
THETA(12)	111.0	109.1	108.4	108.5	108.8	109.1	109.3
THETA(13)	117.5	116.0	115.8	116.2	116.8	117.4	117.8
THETA(14)	124.4	123.2	123.4	124.2	125.0	125.8	126.4
THETA(15)	131.6	130.8	131.4	132.5	133.5	134.4	135.1
THETA(16)	139.5	139.0	139.9	141.2	142.3	143.2	143.9
THETA(17)	148.1	147.9	149.0	150.3	151.4	152.2	152.8
THETA(18)	157.7	157.7	158.7	159.8	160.7	161.4	161.8
THETA(19)	168.4	168.5	169.2	169.8	170.3	170.6	170.9
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	56.2	35.4	27.1	23.6	21.7	20.5	19.7
BW(1)	93.5	78.2	67.1	60.9	56.9	54.2	52.5

N=12 08= 30.

BETA0	2.773	2.513	2.199	1.885	1.571	1.257	0.942
O/LAMBDA	0.441	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.369	0.213	0.136	0.096	0.069	0.051	0.035
G	18.00	43.82	67.24	84.96	98.63	109.10	116.88
G(08)	12.55	16.42	18.28	19.29	19.94	20.38	20.68
A(1)	1.4262E 00	1.8336E 00	2.9004E 00	4.3067E 00	5.8813E 00	7.4610E 00	8.8881E 00
A(2)	2.1659E 00	3.0561E 00	5.9593E 00	1.1051E 01	1.8459E 01	2.7704E 01	3.7615E 01
A(3)	2.8886E 00	4.3296E 00	9.6649E 00	2.0731E 01	3.9661E 01	6.6913E 01	9.9780E 01
A(4)	3.4658E 00	5.3909E 00	1.3073E 01	3.0677E 01	6.3895E 01	1.1614E 02	1.8401E 02
A(5)	3.7865E 00	5.9951E 00	1.5126E 01	3.7057E 01	8.0421E 01	1.5158E 02	2.4744E 02
THETAH	26.7	15.6	12.2	10.7	9.8	9.3	9.0
THETA(1)	44.3	35.6	30.6	27.7	25.9	24.7	23.9
THETA(2)	48.2	40.1	35.1	32.1	30.2	28.9	28.0
THETA(3)	53.3	46.0	41.2	38.2	36.1	34.6	33.6
THETA(4)	58.8	52.3	47.8	44.9	42.8	41.3	40.2
THETA(5)	64.4	58.6	54.6	51.8	49.8	48.3	47.3
THETA(6)	70.1	64.8	61.3	58.8	56.9	55.6	54.5
THETA(7)	75.6	71.0	67.9	65.7	64.1	62.9	62.0
THETA(8)	81.1	77.0	74.4	72.6	71.2	70.2	69.5
THETA(9)	86.6	83.0	80.8	79.4	78.3	77.6	77.0
THETA(10)	92.1	88.9	87.2	86.1	85.4	84.9	84.6
THETA(11)	97.6	94.9	93.5	92.9	92.5	92.3	92.2
THETA(12)	103.2	100.9	100.0	99.7	99.7	99.7	99.8
THETA(13)	108.9	107.0	106.5	106.6	106.9	107.2	107.5
THETA(14)	114.8	113.2	113.2	113.6	114.2	114.8	115.2
THETA(15)	120.9	119.7	120.0	120.8	121.7	122.4	123.0
THETA(16)	127.4	126.5	127.2	128.3	129.3	130.2	130.9
THETA(17)	134.2	133.7	134.7	136.0	137.2	138.2	138.9
THETA(18)	141.6	141.4	142.7	144.1	145.3	146.3	147.0
THETA(19)	149.7	149.8	151.2	152.6	153.7	154.5	155.2
THETA(20)	158.8	159.1	160.3	161.4	162.3	162.9	163.4
THETA(21)	169.0	169.2	170.0	170.6	171.1	171.4	171.7
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	53.3	31.2	24.4	21.4	19.7	18.6	17.9
BW(1)	88.6	71.2	61.1	55.4	51.8	49.4	47.7

N=13 08= 30.

BETA0	2.803	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.446	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.339	0.179	0.115	0.080	0.058	0.042	0.030
G	19.75	53.46	80.31	100.65	116.37	128.41	137.06
G(08)	12.96	17.28	19.05	20.03	20.66	21.09	21.37
A(1)	1.3262E 00	1.8543E 00	3.0523E 00	4.6109E 00	6.3509E 00	8.0950E 00	9.6699E 00
A(2)	1.9857E 00	3.1438E 00	6.5461E 00	1.2584E 01	2.1476E 01	3.2668E 01	4.4735E 01
A(3)	2.6498E 00	4.5599E 00	1.1107E 01	2.5139E 01	4.9844E 01	8.6163E 01	1.3061E 02
A(4)	3.2208E 00	5.8527E 00	1.5791E 01	3.9799E 01	8.7238E 01	1.6454E 02	2.6763E 02
A(5)	3.6072E 00	6.7612E 00	1.9337E 01	5.1828E 01	1.2038E 02	2.3887E 02	4.0498E 02
A(6)	3.7438E 00	7.0884E 00	2.0660E 01	5.6499E 01	1.3373E 02	2.6984E 02	4.6381E 02
THETAH	25.4	14.0	11.1	9.8	9.0	8.5	8.2
THETA(1)	42.1	32.7	28.1	25.4	23.8	22.6	21.9
THETA(2)	45.8	37.0	32.3	29.5	27.7	26.5	25.7
THETA(3)	50.7	42.6	38.0	35.1	33.2	31.8	30.9
THETA(4)	55.9	48.6	44.3	41.4	39.4	38.0	36.9
THETA(5)	61.2	54.6	50.6	47.9	45.9	44.5	43.4
THETA(6)	66.4	60.5	57.0	54.5	52.6	51.2	50.2
THETA(7)	71.6	66.3	63.2	60.9	59.2	58.0	57.0
THETA(8)	76.7	72.0	69.3	67.4	65.9	64.8	63.9
THETA(9)	81.8	77.6	75.3	73.7	72.5	71.6	70.9
THETA(10)	86.8	83.1	81.2	80.0	79.0	78.3	77.8
THETA(11)	91.9	88.6	87.1	86.2	85.6	85.1	84.8
THETA(12)	96.9	94.1	93.0	92.4	92.1	91.9	91.8
THETA(13)	102.1	99.6	98.9	98.7	98.7	98.8	98.8
THETA(14)	107.3	105.2	104.9	105.1	105.3	105.6	105.9
THETA(15)	112.6	111.0	111.0	111.5	112.1	112.6	113.0
THETA(16)	118.1	116.8	117.3	118.1	118.9	119.6	120.2
THETA(17)	123.9	123.0	123.7	124.8	125.9	126.7	127.4
THETA(18)	129.9	129.4	130.5	131.8	133.0	134.0	134.8
THETA(19)	136.4	136.2	137.6	139.1	140.4	141.4	142.1
THETA(20)	143.4	143.6	145.1	146.7	147.9	148.9	149.6
THETA(21)	151.1	151.6	153.1	154.6	155.7	156.5	157.1
THETA(22)	159.8	160.3	161.7	162.8	163.7	164.3	164.7
THETA(23)	169.5	169.9	170.7	171.3	171.8	172.1	172.3
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	50.8	28.0	22.1	19.5	18.0	17.1	16.5
BW(1)	84.3	65.4	56.1	50.9	47.5	45.3	43.8

N=14 08= 30.

BETA0	2.828	2.827	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.450	0.450	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.314	0.313	0.153	0.098	0.069	0.050	0.036	0.025
G	21.51	21.58	63.89	94.33	117.43	135.29	148.96	149.31
G(08)	13.33	13.34	18.05	19.75	20.70	21.31	21.73	21.74
A(1)	1.2379E 00	1.2379E 00	1.8881E 00	3.2128E 00	4.9213E 00	6.8250E 00	8.7319E 00	1.0453E 01
A(2)	1.8274E 00	1.8274E 00	3.2592E 00	7.1829E 00	1.4236E 01	2.4740E 01	3.8057E 01	5.2481E 01
A(3)	2.4336E 00	2.4336E 00	4.8341E 00	1.2714E 01	3.0151E 01	6.1646E 01	1.0879E 02	1.6721E 02
A(4)	2.9818E 00	2.9818E 00	6.3750E 00	1.8914E 01	5.0762E 01	1.1632E 02	2.2646E 02	3.7666E 02
A(5)	3.3979E 00	3.3979E 00	7.6084E 00	2.4352E 01	7.0676E 01	1.7419E 02	3.6135E 02	6.3283E 02
A(6)	3.6225E 00	3.6225E 00	8.2948E 00	2.7542E 01	8.3033E 01	2.1205E 02	4.5384E 02	8.1530E 02
THETAH	24.3	24.3	12.7	10.2	9.0	8.3	7.9	7.6
THETA(1)	40.3	40.3	30.2	25.9	23.5	21.9	20.9	20.2
THETA(2)	43.8	43.8	34.3	29.9	27.3	25.6	24.5	23.7
THETA(3)	48.4	48.4	39.7	35.3	32.6	30.7	29.4	28.6
THETA(4)	53.3	53.3	45.4	41.2	38.4	36.5	35.1	34.2
THETA(5)	58.3	58.3	51.2	47.3	44.6	42.6	41.2	40.2
THETA(6)	63.3	63.3	56.8	53.3	50.7	48.8	47.4	46.4
THETA(7)	68.2	68.2	62.4	59.1	56.8	55.1	53.7	52.8
THETA(8)	73.0	73.0	67.7	64.9	62.9	61.3	60.1	59.2
THETA(9)	77.7	77.7	73.0	70.6	68.8	67.5	66.4	65.6
THETA(10)	82.4	82.4	78.2	76.1	74.7	73.6	72.7	72.1
THETA(11)	87.0	87.0	83.3	81.6	80.5	79.7	79.0	78.6
THETA(12)	91.7	91.7	88.4	87.1	86.3	85.8	85.3	85.1
THETA(13)	96.4	96.4	93.5	92.6	92.1	91.8	91.7	91.5
THETA(14)	101.1	101.1	98.6	98.0	97.9	97.9	98.0	98.1
THETA(15)	105.9	105.9	103.8	103.6	103.8	104.1	104.4	104.6
THETA(16)	110.7	110.7	109.1	109.2	109.7	110.3	110.8	111.2
THETA(17)	115.8	115.8	114.5	115.0	115.8	116.5	117.3	117.8
THETA(18)	121.0	121.0	120.1	120.9	121.9	123.0	123.8	124.5
THETA(19)	126.4	126.4	125.9	127.0	128.3	129.5	130.5	131.2
THETA(20)	132.2	132.2	132.0	133.4	134.9	136.2	137.3	138.0
THETA(21)	138.3	138.3	138.5	140.2	141.8	143.1	144.1	144.9
THETA(22)	145.0	145.0	145.5	147.3	148.9	150.2	151.1	151.8
THETA(23)	152.4	152.4	153.1	154.9	156.3	157.4	158.2	158.8
THETA(24)	160.7	160.7	161.4	162.9	164.0	164.9	165.4	165.9
THETA(25)	169.9	169.9	170.5	171.3	172.0	172.4	172.7	172.9
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	48.7	48.6	25.4	20.3	18.0	16.6	15.8	15.2
BW(1)	80.6	80.5	60.5	51.9	47.0	43.9	41.8	40.5

N=15 08= 30.

BETA0	2.850	2.827	2.513	2.199	1.885	1.571	1.257
D/LAMBDA	0.453	0.450	0.400	0.350	0.300	0.250	0.200
ALPHA	0.292	0.270	0.132	0.085	0.059	0.043	0.031
G	23.27	27.29	75.06	109.25	135.23	155.29	170.65
G(08)	13.67	14.36	18.75	20.38	21.31	21.91	22.32
A(1)	1.1598E 00	1.1657E 00	1.9318E 00	3.3799E 00	5.2365E 00	7.3025E 00	9.3711E 00
A(2)	1.6883E 00	1.6996E 00	3.3980E 00	7.8679E 00	1.6009E 01	2.8252E 01	4.3871E 01
A(3)	2.2401E 00	2.2577E 00	5.1493E 00	1.4495E 01	3.5812E 01	7.5195E 01	1.3508E 02
A(4)	2.7575E 00	2.7813E 00	6.9614E 00	2.2487E 01	6.3806E 01	1.5201E 02	3.0423E 02
A(5)	3.1807E 00	3.2099E 00	8.5510E 00	3.0292E 01	9.4381E 01	2.4511E 02	5.2859E 02
A(6)	3.4583E 00	3.4911E 00	9.6408E 00	3.6023E 01	1.1849E 02	3.2362E 02	7.2922E 02
A(7)	3.5549E 00	3.5890E 00	1.0029E 01	3.8133E 01	1.2768E 02	3.5455E 02	8.1056E 02
THETAH	23.4	21.4	11.6	9.4	8.3	7.7	7.3
THETA(1)	38.7	37.5	28.1	24.1	21.8	20.4	19.4
THETA(2)	42.0	40.9	32.0	27.9	25.4	23.8	22.8
THETA(3)	46.4	45.4	37.1	33.0	30.3	28.6	27.4
THETA(4)	51.1	50.2	42.6	38.6	35.9	34.0	32.7
THETA(5)	55.9	55.1	48.2	44.3	41.6	39.7	38.3
THETA(6)	60.6	59.8	53.6	50.0	47.5	45.6	44.2
THETA(7)	65.2	64.5	58.9	55.6	53.2	51.5	50.1
THETA(8)	69.7	69.1	64.0	61.1	58.9	57.3	56.0
THETA(9)	74.2	73.6	69.0	66.4	64.6	63.1	62.0
THETA(10)	78.6	78.0	73.9	71.7	70.1	68.9	67.9
THETA(11)	82.9	82.4	78.7	76.9	75.6	74.6	73.8
THETA(12)	87.2	86.8	83.5	82.0	81.0	80.3	79.7
THETA(13)	91.6	91.1	88.3	87.1	86.4	85.9	85.6
THETA(14)	95.9	95.5	93.0	92.2	91.8	91.6	91.4
THETA(15)	100.2	99.9	97.8	97.3	97.2	97.3	97.3
THETA(16)	104.7	104.3	102.6	102.5	102.7	103.0	103.2
THETA(17)	109.2	108.9	107.5	107.7	108.2	108.7	109.2
THETA(18)	113.8	113.5	112.5	113.0	113.8	114.6	115.2
THETA(19)	118.5	118.3	117.6	118.5	119.5	120.5	121.3
THETA(20)	123.5	123.3	123.0	124.1	125.4	126.5	127.5
THETA(21)	128.7	128.5	128.5	129.9	131.4	132.7	133.7
THETA(22)	134.1	134.0	134.4	136.0	137.7	139.0	140.1
THETA(23)	140.0	139.9	140.6	142.4	144.1	145.5	146.5
THETA(24)	146.4	146.3	147.3	149.2	150.9	152.1	153.1
THETA(25)	153.5	153.4	154.5	156.4	157.9	158.9	159.7
THETA(26)	161.4	161.4	162.5	164.0	165.1	165.9	166.4
THETA(27)	170.3	170.3	171.0	171.9	172.5	172.9	173.2
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	46.7	42.8	23.2	18.8	16.7	15.4	14.6
BW(1)	77.3	74.9	56.2	48.2	43.7	40.8	38.9

N=20 08= 30.

BETA0	2.925	2.827	2.513	2.199	1.885	1.571
D/LAMBDA	0.465	0.450	0.400	0.350	0.300	0.250
ALPHA	0.217	0.149	0.073	0.046	0.033	0.024
G	32.07	63.74	140.92	195.70	237.10	268.80
G(08)	15.06	18.04	21.49	22.92	23.75	24.29
A(1)	8.7706E-01	1.0005E 00	2.2402E 00	4.2783E 00	6.8597E 00	9.7244E 00
A(2)	1.2009E 00	1.4220E 00	4.3532E 00	1.1985E 01	2.6672E 01	4.9541E 01
A(3)	1.5497E 00	1.8876E 00	7.2920E 00	2.6321E 01	7.5303E 01	1.7354E 02
A(4)	1.9052E 00	2.3726E 00	1.0955E 01	4.8693E 01	1.6961E 02	4.6469E 02
A(5)	2.2465E 00	2.8459E 00	1.5078E 01	7.8707E 01	3.1972E 02	1.0048E 03
A(6)	2.5522E 00	3.2755E 00	1.9256E 01	1.1354E 02	5.1866E 02	1.8119E 03
A(7)	2.8022E 00	3.6303E 00	2.3002E 01	1.4809E 02	7.3661E 02	2.7800E 03
A(8)	2.9793E 00	3.8833E 00	2.5832E 01	1.7608E 02	9.2585E 02	3.6755E 03
A(9)	3.0711E 00	4.0151E 00	2.7356E 01	1.9179E 02	1.0364E 03	4.2187E 03
THETAH	19.8	13.1	8.2	6.8	6.1	5.7
THETA(1)	32.7	27.8	20.8	17.8	16.1	15.1
THETA(2)	35.5	30.9	24.0	20.7	18.8	17.6
THETA(3)	39.1	35.0	28.1	24.7	22.6	21.2
THETA(4)	43.0	39.2	32.7	29.1	26.8	25.3
THETA(5)	46.9	43.5	37.3	33.7	31.3	29.7
THETA(6)	50.8	47.6	41.9	38.4	35.9	34.2
THETA(7)	54.5	51.6	46.3	42.9	40.5	38.7
THETA(8)	58.2	55.5	50.6	47.4	45.0	43.2
THETA(9)	61.7	59.2	54.7	51.7	49.5	47.7
THETA(10)	65.2	62.8	58.7	56.0	53.9	52.2
THETA(11)	68.5	66.4	62.6	60.1	58.2	56.7
THETA(12)	71.9	69.9	66.4	64.2	62.4	61.0
THETA(13)	75.1	73.3	70.1	68.2	66.6	65.4
THETA(14)	78.4	76.6	73.8	72.1	70.8	69.7
THETA(15)	81.6	79.9	77.4	76.0	74.9	74.0
THETA(16)	84.7	83.2	81.0	79.8	78.9	78.2
THETA(17)	87.9	86.5	84.6	83.6	82.9	82.4
THETA(18)	91.1	89.8	88.1	87.4	87.0	86.6
THETA(19)	94.2	93.0	91.7	91.2	91.0	90.9
THETA(20)	97.4	96.3	95.2	95.0	95.0	95.1
THETA(21)	100.6	99.6	98.8	98.8	99.0	99.3
THETA(22)	103.9	102.9	102.4	102.7	103.1	103.6
THETA(23)	107.1	106.3	106.0	106.5	107.2	107.8
THETA(24)	110.5	109.7	109.7	110.5	111.4	112.2
THETA(25)	113.9	113.2	113.4	114.5	115.6	116.5
THETA(26)	117.3	116.7	117.3	118.5	119.8	121.0
THETA(27)	120.9	120.4	121.2	122.7	124.2	125.4
THETA(28)	124.6	124.2	125.3	127.0	128.6	130.0
THETA(29)	128.5	128.1	129.5	131.4	133.2	134.6
THETA(30)	132.5	132.2	133.9	136.0	137.9	139.3
THETA(31)	136.8	136.6	138.5	140.8	142.7	144.2
THETA(32)	141.3	141.2	143.4	145.7	147.6	149.0
THETA(33)	146.2	146.2	148.5	150.9	152.7	154.0
THETA(34)	151.6	151.6	154.1	156.3	157.9	159.1
THETA(35)	157.5	157.7	160.0	162.0	163.3	164.3
THETA(36)	164.2	164.4	166.3	167.8	168.8	169.5
THETA(37)	171.8	171.9	173.1	173.9	174.4	174.7
THETA(38)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	39.7	26.3	16.4	13.6	12.2	11.3
BW(1)	65.4	55.6	41.6	35.6	32.2	30.1

N=25 08= 30.

BETA0	2.970	2.827	2.513	2.199	1.885
D/LAMBDA	0.472	0.450	0.400	0.350	0.300
ALPHA	0.172	0.093	0.046	0.029	0.020
G	40.82	111.04	220.49	297.20	353.80
G(08)	16.11	20.45	23.43	24.73	25.49
A(1)	7.0247E-01	9.8438E-01	2.6242E 00	5.2325E 00	8.5259E 00
A(2)	9.1836E-01	1.4083E 00	5.6370E 00	1.7211E 01	4.0328E 01
A(3)	1.1518E 00	1.8968E 00	1.0350E 01	4.3801E 01	1.3724E 02
A(4)	1.3956E 00	2.4347E 00	1.6998E 01	9.3412E 01	3.7143E 02
A(5)	1.6415E 00	3.0017E 00	2.5583E 01	1.7389E 02	8.4180F 02
A(6)	1.8803E 00	3.5733E 00	3.5808E 01	2.8945E 02	1.6477E 03
A(7)	2.1027E 00	4.1219E 00	4.7059E 01	4.3751E 02	2.8414E 03
A(8)	2.2995E 00	4.6195E 00	5.8443E 01	6.0679E 02	4.3751E 03
A(9)	2.4623E 00	5.0392E 00	6.8899E 01	7.7772E 02	6.0714E 03
A(10)	2.5841E 00	5.3577E 00	7.7342E 01	9.2568E 02	7.6414E 03
A(11)	2.6594E 00	5.5565E 00	8.2834E 01	1.0264E 03	8.7584E 03
A(12)	2.6849E 00	5.6241E 00	8.4739E 01	1.0622E 03	9.1636E 03
THETAH	17.5	9.6	6.4	5.4	4.8
THETA(1)	28.8	22.1	16.5	14.1	12.8
THETA(2)	31.3	24.9	19.1	16.5	14.9
THETA(3)	34.4	28.6	22.6	19.7	18.0
THETA(4)	37.8	32.4	26.5	23.4	21.4
THETA(5)	41.2	36.2	30.5	27.2	25.1
THETA(6)	44.6	39.9	34.5	31.1	28.8
THETA(7)	47.8	43.5	38.3	34.9	32.6
THETA(8)	50.9	46.9	42.0	38.7	36.4
THETA(9)	53.9	50.2	45.6	42.4	40.1
THETA(10)	56.9	53.4	49.1	46.1	43.8
THETA(11)	59.7	56.5	52.4	49.6	47.4
THETA(12)	62.5	59.5	55.7	53.1	51.0
THETA(13)	65.3	62.4	58.9	56.4	54.5
THETA(14)	68.0	65.3	62.0	59.8	57.9
THETA(15)	70.6	68.1	65.1	63.0	61.3
THETA(16)	73.2	70.8	68.1	66.2	64.7
THETA(17)	75.8	73.5	71.1	69.4	68.0
THETA(18)	78.3	76.2	74.0	72.5	71.3
THETA(19)	80.8	78.9	76.9	75.6	74.6
THETA(20)	83.4	81.5	79.7	78.7	77.8
THETA(21)	85.9	84.1	82.6	81.7	81.0
THETA(22)	88.3	86.7	85.4	84.7	84.2
THETA(23)	90.8	89.3	88.2	87.7	87.4
THETA(24)	93.3	91.9	91.0	90.8	90.6
THETA(25)	95.8	94.5	93.9	93.8	93.8
THETA(26)	98.3	97.1	96.7	96.8	97.0
THETA(27)	100.8	99.7	99.5	99.8	100.2
THETA(28)	103.4	102.4	102.4	102.9	103.5
THETA(29)	106.0	105.0	105.3	106.0	106.7
THETA(30)	108.6	107.7	108.2	109.1	110.0
THETA(31)	111.2	110.5	111.2	112.3	113.3
THETA(32)	113.9	113.3	114.2	115.5	116.7
THETA(33)	116.6	116.1	117.2	118.7	120.1
THETA(34)	119.4	119.0	120.3	122.0	123.6
THETA(35)	122.3	122.0	123.5	125.4	127.1
THETA(36)	125.2	125.0	126.8	128.9	130.7
THETA(37)	128.3	128.2	130.2	132.4	134.3
THETA(38)	131.5	131.5	133.8	136.1	138.0
THETA(39)	134.8	134.9	137.4	139.9	141.9
THETA(40)	138.3	138.5	141.2	143.8	145.8
THETA(41)	142.0	142.3	145.2	147.8	149.8
THETA(42)	145.9	146.4	149.4	152.0	153.9
THETA(43)	150.2	150.8	153.9	156.3	158.0
THETA(44)	154.9	155.6	158.6	160.8	162.3
THETA(45)	160.1	160.9	163.6	165.5	166.7
THETA(46)	166.1	166.7	168.9	170.2	171.1
THETA(47)	172.7	173.1	174.4	175.1	175.5
THETA(48)	180.0	180.0	180.0	180.0	180.0
BW(H)	35.0	19.1	12.8	10.7	9.6
BW(1)	57.6	44.2	33.0	28.2	25.5

N=30 08= 30.

BETA0	2.999	2.827	2.513	2.199
D/LAMBDA	0.477	0.450	0.400	0.350
ALPHA	0.143	0.064	0.031	0.020
G	49.52	166.90	309.73	407.63
G(08)	16.95	22.22	24.91	26.10
A(1)	5.8497E-01	1.0261E 00	3.0422E 00	6.2134E 00
A(2)	7.3836E-01	1.4981E 00	7.1910E 00	2.3519E 01
A(3)	9.0376E-01	2.0623E 00	1.4369E 01	6.8017E 01
A(4)	1.0779E 00	2.7108E 00	2.5549E 01	1.6378E 02
A(5)	1.2569E 00	3.4297E 00	4.1535E 01	3.4319E 02
A(6)	1.4364E 00	4.1993E 00	6.2760E 01	6.4242E 02
A(7)	1.6120E 00	4.9948E 00	8.9089E 01	1.0928E 03
A(8)	1.7787E 00	5.7876E 00	1.1970E 02	1.7091E 03
A(9)	1.9322E 00	6.5463E 00	1.5302E 02	2.4785E 03
A(10)	2.0678E 00	7.2396E 00	1.8687E 02	3.3528E 03
A(11)	2.1816E 00	7.8369E 00	2.1862E 02	4.2500E 03
A(12)	2.2701E 00	8.3113E 00	2.4552E 02	5.0641E 03
A(13)	2.3307E 00	8.6405E 00	2.6506E 02	5.6851E 03
A(14)	2.3616E 00	8.8093E 00	2.7535E 02	6.0215E 03
THETAH	15.9	7.6	5.2	4.4
THETA(1)	26.1	18.3	13.7	11.7
THETA(2)	28.3	20.9	15.9	13.7
THETA(3)	31.1	24.2	18.9	16.4
THETA(4)	34.2	27.7	22.3	19.5
THETA(5)	37.2	31.2	25.8	22.8
THETA(6)	40.2	34.6	29.3	26.1
THETA(7)	43.1	37.8	32.7	29.4
THETA(8)	45.8	40.9	36.0	32.7
THETA(9)	48.5	43.9	39.2	36.0
THETA(10)	51.1	46.8	42.3	39.2
THETA(11)	53.6	49.6	45.3	42.3
THETA(12)	56.1	52.2	48.2	45.3
THETA(13)	58.5	54.9	51.1	48.3
THETA(14)	60.8	57.4	53.8	51.2
THETA(15)	63.1	59.9	56.5	54.0
THETA(16)	65.4	62.3	59.2	56.9
THETA(17)	67.6	64.7	61.8	59.6
THETA(18)	69.8	67.0	64.3	62.3
THETA(19)	72.0	69.3	66.9	65.0
THETA(20)	74.1	71.6	69.3	67.6
THETA(21)	76.2	73.9	71.8	70.3
THETA(22)	78.3	76.1	74.2	72.8
THETA(23)	80.4	78.3	76.6	75.4
THETA(24)	82.5	80.5	79.0	78.0
THETA(25)	84.5	82.7	81.3	80.5
THETA(26)	86.6	84.8	83.7	83.0
THETA(27)	88.6	87.0	86.0	85.5
THETA(28)	90.7	89.1	88.4	88.0
THETA(29)	92.7	91.3	90.7	90.5
THETA(30)	94.8	93.5	93.1	93.0
THETA(31)	96.8	95.6	95.4	95.5
THETA(32)	98.9	97.8	97.7	98.0
THETA(33)	101.0	100.0	100.1	100.6
THETA(34)	103.1	102.2	102.5	103.1
THETA(35)	105.2	104.4	104.9	105.7
THETA(36)	107.3	106.6	107.3	108.2
THETA(37)	109.5	108.9	109.7	110.9
THETA(38)	111.7	111.2	112.2	113.5
THETA(39)	113.9	113.5	114.7	116.2
THETA(40)	116.1	115.8	117.3	118.9
THETA(41)	118.4	118.2	119.8	121.6
THETA(42)	120.8	120.7	122.5	124.4
THETA(43)	123.2	123.2	125.2	127.2
THETA(44)	125.6	125.8	128.0	130.2
THETA(45)	128.1	128.4	130.8	133.1
THETA(46)	130.8	131.1	133.7	136.2
THETA(47)	133.5	134.0	136.7	139.3
THETA(48)	136.3	136.9	139.9	142.5
THETA(49)	139.2	140.0	143.1	145.8
THETA(50)	142.4	143.2	146.5	149.2
THETA(51)	145.7	146.7	150.1	152.7
THETA(52)	149.2	150.3	153.8	156.4
THETA(53)	153.1	154.3	157.7	160.1
THETA(54)	157.3	158.6	161.8	163.9
THETA(55)	162.0	163.3	166.1	167.8
THETA(56)	167.4	168.5	170.6	171.8
THETA(57)	173.4	174.1	175.3	175.9
THETA(58)	180.0	180.0	180.0	180.0
BW(H)	31.7	15.2	10.5	8.8
BW(1)	52.1	36.7	27.3	23.4

N= 3 DB= 40.

BETAD	1.712	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.272	0.250	0.200	0.150	0.100	0.050
ALPHA	1.430	1.291	1.002	0.733	0.480	0.237
G	2.93	3.38	4.25	4.93	5.40	5.69
G(DB)	4.66	5.28	6.28	6.93	7.33	7.55
A(1)	1.9604E 00	1.9612E 00	1.9676E 00	1.9781E 00	1.9890E 00	1.9971E 00
THETAH	70.4	64.2	54.5	48.8	45.7	44.1
THETA(1)	135.9	134.1	130.8	128.4	126.7	125.7
THETA(2)	146.6	145.3	142.8	141.0	139.8	139.1
THETA(3)	162.1	161.4	160.1	159.2	158.6	158.2
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	140.8	128.5	108.9	97.7	91.4	88.2
BW(1)	271.9	268.3	261.6	256.7	253.4	251.4

N= 4 DB= 40.

BETAD	1.910	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.304	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.232	1.207	0.929	0.698	0.499	0.322	0.158
G	4.03	4.19	6.03	7.52	8.63	9.40	9.86
G(DB)	6.05	6.22	7.80	8.76	9.36	9.73	9.94
A(1)	2.6688E 00	2.6690E 00	2.7017E 00	2.7723E 00	2.8556E 00	2.9306E 00	2.9818E 00
THETAH	58.6	57.3	45.1	38.8	35.4	33.5	32.5
THETA(1)	109.8	109.3	103.8	99.9	97.2	95.3	94.3
THETA(2)	118.1	117.6	113.0	109.6	107.3	105.8	104.9
THETA(3)	130.2	129.8	126.3	123.8	122.0	120.9	120.3
THETA(4)	145.1	144.9	142.5	140.9	139.8	139.1	138.8
THETA(5)	162.0	161.9	160.7	159.9	159.4	159.1	159.0
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	117.1	114.5	90.2	77.5	70.7	67.0	65.0
BW(1)	219.7	218.7	207.7	199.8	194.3	190.7	188.6

N= 5 DB= 40.

BETAD	2.091	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.332	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.051	0.866	0.648	0.479	0.339	0.217	0.106
G	5.28	7.41	10.19	12.34	13.92	15.01	15.64
G(DB)	7.23	8.70	10.08	10.91	11.44	11.76	11.94
A(1)	3.0131E 00	3.0501E 00	3.2084E 00	3.4255E 00	3.6472E 00	3.8337E 00	3.9570E 00
A(2)	4.1480E 00	4.2130E 00	4.4952E 00	4.8922E 00	5.3099E 00	5.6709E 00	5.9142E 00
THETAH	50.5	40.9	33.2	29.4	27.3	26.1	25.5
THETA(1)	92.7	88.0	82.7	79.2	76.7	75.1	74.2
THETA(2)	99.2	95.0	90.3	87.1	84.9	83.4	82.6
THETA(3)	108.6	105.1	101.3	98.6	96.8	95.6	94.9
THETA(4)	120.2	117.4	114.4	112.4	111.1	110.3	109.8
THETA(5)	133.3	131.2	129.1	127.8	127.0	126.5	126.3
THETA(6)	147.8	146.4	145.1	144.4	144.0	143.8	143.7
THETA(7)	163.5	162.8	162.2	161.9	161.8	161.7	161.7
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	101.0	81.9	66.3	58.7	54.5	52.2	50.9
BW(1)	185.3	175.9	165.5	158.3	153.4	150.2	148.4

N= 6 DB= 40.

BETAD	2.238	2.199	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.356	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.904	0.866	0.627	0.463	0.339	0.239	0.153	0.075
G	6.63	7.27	12.03	15.81	18.68	20.79	22.23	23.07
G(DB)	8.21	8.62	10.80	11.99	12.71	13.18	13.47	13.63
A(1)	3.0853E 00	3.0881E 00	3.2690E 00	3.6155E 00	4.0190E 00	4.4062E 00	4.7225E 00	4.9286E 00
A(2)	4.9891E 00	4.9954E 00	5.4062E 00	6.2298E 00	7.2495E 00	8.2891E 00	9.1830E 00	9.7868E 00
THETAH	44.7	42.4	30.8	26.0	23.5	22.1	21.2	20.8
THETA(1)	80.9	79.7	72.7	68.1	65.0	62.9	61.6	60.8
THETA(2)	86.3	85.3	78.8	74.6	71.7	69.7	68.5	67.7
THETA(3)	94.1	93.2	87.6	83.9	81.4	79.7	78.5	77.9
THETA(4)	103.4	102.6	98.0	95.0	92.9	91.5	90.6	90.1
THETA(5)	113.8	113.2	109.4	107.1	105.6	104.7	104.1	103.7
THETA(6)	125.1	124.6	121.8	120.2	119.2	118.7	118.4	118.2
THETA(7)	137.4	137.1	135.0	134.0	133.5	133.3	133.3	133.2
THETA(8)	150.7	150.5	149.2	148.7	148.5	148.5	148.6	148.6
THETA(9)	165.0	164.9	164.3	164.1	164.1	164.2	164.2	164.3
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	89.5	84.9	61.7	51.9	47.0	44.1	42.5	41.6
BW(1)	161.7	159.5	145.4	136.2	130.0	125.8	123.1	121.6

N= 7 08= 40.

BETAO	2.355	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.375	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.787	0.652	0.465	0.341	0.249	0.175	0.112	0.054
G	8.04	11.68	17.97	22.83	26.51	29.21	31.06	32.14
G(08)	9.05	10.67	12.55	13.59	14.23	14.66	14.92	15.07
A(1)	3.0071E 00	3.0699E 00	3.4517E 00	4.0032E 00	4.6012E 00	5.1590E 00	5.6086E 00	5.8994E 00
A(2)	5.2678E 00	5.4261E 00	6.4303E 00	8.0095E 00	9.8940E 00	1.1813E 01	1.3473E 01	1.4660E 01
A(3)	6.2731E 00	6.4794E 00	7.8039E 00	9.9389E 00	1.2560E 01	1.5302E 01	1.7727E 01	1.9402E 01
THETAH	40.4	32.3	24.6	21.3	19.5	18.5	17.9	17.6
THETA(1)	72.3	67.8	61.6	57.6	55.0	53.2	52.0	51.3
THETA(2)	77.0	72.9	67.1	63.3	60.8	59.0	57.9	57.2
THETA(3)	83.7	80.0	74.9	71.5	69.1	67.5	66.4	65.8
THETA(4)	91.6	88.4	84.0	81.1	79.0	77.6	76.7	76.2
THETA(5)	100.2	97.5	93.8	91.5	89.9	88.8	88.1	87.7
THETA(6)	109.5	107.2	104.3	102.5	101.4	100.7	100.2	100.0
THETA(7)	119.3	117.5	115.3	114.1	113.4	113.1	112.9	112.8
THETA(8)	129.8	128.4	126.8	126.1	125.9	125.8	125.8	125.9
THETA(9)	141.1	140.0	139.0	138.8	138.8	139.0	139.1	139.2
THETA(10)	153.2	152.6	152.0	152.0	152.2	152.4	152.6	152.7
THETA(11)	166.3	166.0	165.8	165.8	166.0	166.1	166.3	166.3
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	80.8	64.6	49.1	42.6	39.1	37.0	35.8	35.1
BW(1)	144.7	135.6	123.2	115.2	109.9	106.3	104.0	102.7

N= 8 08= 40.

BETAO	2.448	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBOA	0.389	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.694	0.502	0.356	0.260	0.189	0.133	0.085	0.041
G	9.49	17.23	25.15	31.21	35.80	39.18	41.50	42.78
G(08)	9.77	12.36	14.01	14.94	15.54	15.93	16.18	16.31
A(1)	2.8605E 00	3.0582E 00	3.6452E 00	4.3587E 00	5.1882E 00	5.9142E 00	6.4956E 00	6.8706E 00
A(2)	5.1982E 00	5.7304E 00	7.4417E 00	9.9270E 00	1.2879E 01	1.5908E 01	1.8551E 01	2.0358E 01
A(3)	6.8448E 00	7.6503E 00	1.0328E 01	1.4428E 01	1.9575E 01	2.5127E 01	3.0172E 01	3.3720E 01
THETAH	37.1	25.8	20.4	18.0	16.7	15.9	15.4	15.2
THETA(1)	65.8	58.8	53.3	49.8	47.5	45.9	44.9	44.4
THETA(2)	70.0	63.4	58.3	54.9	52.6	51.0	50.0	49.4
THETA(3)	75.9	70.0	65.3	62.1	60.0	58.5	57.4	56.9
THETA(4)	82.8	77.6	73.4	70.7	68.7	67.3	66.4	65.9
THETA(5)	90.3	85.8	82.2	79.9	78.2	77.1	76.3	75.9
THETA(6)	98.2	94.3	91.4	89.5	88.3	87.4	86.8	86.5
THETA(7)	106.5	103.2	100.9	99.5	98.7	98.1	97.8	97.6
THETA(8)	115.1	112.4	110.7	109.8	109.3	109.1	109.0	108.9
THETA(9)	124.1	122.0	120.8	120.4	120.3	120.4	120.4	120.5
THETA(10)	133.8	132.1	131.5	131.4	131.6	131.9	132.1	132.2
THETA(11)	144.1	143.0	142.7	142.9	143.3	143.6	143.9	144.1
THETA(12)	155.3	154.6	154.6	154.9	155.3	155.6	155.9	156.0
THETA(13)	167.4	167.0	167.1	167.3	167.6	167.8	167.9	168.0
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	74.1	51.6	40.9	36.1	33.4	31.8	30.8	30.3
BW(1)	131.7	117.6	106.6	99.7	95.0	91.9	89.9	88.7

N= 9 08= 40.

BETAO	2.523	2.513	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.401	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.619	0.609	0.396	0.279	0.204	0.148	0.104	0.066
G	10.97	11.40	23.87	33.54	40.92	46.53	50.67	53.52
G(08)	10.40	10.57	13.78	15.26	16.12	16.68	17.05	17.29
A(1)	2.6901E 00	2.6906E 00	3.0774E 00	3.8604E 00	4.8085E 00	5.7839E 00	6.6743E 00	7.3848E 00
A(2)	4.9516E 00	4.9529E 00	6.0368E 00	8.5176E 00	1.2034E 01	1.6238E 01	2.0595E 01	2.4427E 01
A(3)	6.9168E 00	6.9190E 00	8.7232E 00	1.3110E 01	1.9843E 01	2.8557E 01	3.8238E 01	4.7238E 01
A(4)	7.6989E 00	7.7014E 00	9.8143E 00	1.5049E 01	2.3287E 01	3.4218E 01	4.6637E 01	5.8391E 01
THETAH	34.4	33.7	21.4	17.5	15.7	14.6	14.0	13.5
THETA(1)	60.7	60.4	51.8	46.9	43.9	41.8	40.4	39.5
THETA(2)	64.5	64.2	56.1	51.5	48.4	46.3	44.9	44.0
THETA(3)	69.8	69.5	62.2	57.9	54.9	52.9	51.5	50.6
THETA(4)	76.0	75.7	69.2	65.3	62.6	60.7	59.4	58.5
THETA(5)	82.7	82.4	76.7	73.3	70.9	69.2	68.0	67.2
THETA(6)	89.6	89.4	84.4	81.5	79.6	78.2	77.2	76.5
THETA(7)	96.8	96.6	92.3	89.9	88.4	87.4	86.7	86.2
THETA(8)	104.2	104.0	100.4	98.5	97.4	96.8	96.3	96.1
THETA(9)	111.8	111.7	108.6	107.3	106.7	106.4	106.2	106.1
THETA(10)	119.8	119.6	117.2	116.4	116.1	116.1	116.2	116.4
THETA(11)	128.1	128.0	126.2	125.8	125.9	126.2	126.5	126.7
THETA(12)	137.0	137.0	135.6	135.6	136.0	136.5	136.9	137.2
THETA(13)	146.6	146.6	145.7	145.9	146.5	147.0	147.5	147.8
THETA(14)	157.0	157.0	156.5	156.8	157.4	157.8	158.2	158.5
THETA(15)	168.2	168.2	168.0	168.3	168.6	168.9	169.1	169.2
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	68.8	67.4	42.9	35.0	31.3	29.2	27.9	27.1
BW(1)	121.5	120.8	103.6	93.9	87.7	83.6	80.9	79.1

N=10 08= 40.

BETAO	2.584	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.411	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.558	0.494	0.319	0.225	0.164	0.119	0.083	0.053
G	12.48	16.38	31.53	43.10	51.95	58.70	63.69	67.12
G(08)	10.96	12.14	14.99	16.34	17.16	17.69	18.04	18.27
A(1)	2.5182E 00	2.5475E 00	3.1286E 00	4.0968E 00	5.2319E 00	6.3881E 00	7.4391E 00	8.2761E 00
A(2)	4.6319E 00	4.7108E 00	6.3914E 00	9.6912E 00	1.4356E 01	1.9991E 01	2.5886E 01	3.1107E 01
A(3)	6.6982E 00	6.8333E 00	9.8268E 00	1.6250E 01	2.6333E 01	3.9787E 01	5.5125E 01	6.9655E 01
A(4)	7.9837E 00	8.1565E 00	1.2054E 01	2.0765E 01	3.5117E 01	5.5188E 01	7.9027E 01	1.0236E 02
THETAH	32.2	27.5	18.4	15.3	13.8	13.0	12.4	12.1
THETA(1)	56.6	54.0	46.2	41.9	39.1	37.3	36.1	35.3
THETA(2)	60.1	57.6	50.3	46.0	43.3	41.4	40.1	39.3
THETA(3)	65.0	62.7	56.0	51.9	49.2	47.3	46.0	45.1
THETA(4)	70.6	68.6	62.5	58.8	56.2	54.4	53.1	52.2
THETA(5)	T6.7	74.8	69.4	66.1	63.8	62.1	60.9	60.1
THETA(6)	82.9	81.3	76.5	73.6	71.6	70.2	69.1	68.4
THETA(T)	89.3	87.9	83.7	81.3	79.6	78.4	77.6	77.0
THETA(8)	95.8	94.5	91.0	89.0	87.7	86.9	86.3	85.9
THETA(9)	102.5	101.3	98.3	96.8	96.0	95.4	95.1	94.9
THETA(10)	109.3	108.3	105.8	104.8	104.3	104.1	104.0	104.0
THETA(11)	116.3	115.5	113.5	112.9	112.8	112.9	113.1	113.2
THETA(12)	123.7	123.0	121.5	121.3	121.6	121.9	122.2	122.5
THETA(13)	131.5	130.9	129.9	130.1	130.6	131.1	131.6	131.9
THETA(14)	139.8	139.3	138.7	139.2	139.8	140.5	141.0	141.4
THETA(15)	148.7	148.4	148.2	148.7	149.5	150.1	150.6	151.0
THETA(16)	158.4	158.2	158.2	158.8	159.4	159.9	160.3	160.6
THETA(17)	169.0	168.8	168.9	169.3	169.6	169.9	170.1	170.3
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	64.4	55.0	36.7	30.7	27.7	25.9	24.8	24.2
BW(1)	113.2	107.9	92.5	83.8	78.3	74.6	72.1	70.5

N=11 08= 40.

BETAO	2.635	2.513	2.199	1.885	1.571	1.257	0.942	0.628
D/LAMBDA	0.419	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.507	0.407	0.261	0.184	0.134	0.097	0.068	0.044
G	14.00	22.23	40.19	53.81	64.28	72.29	78.23	81.55
G(08)	11.46	13.47	16.04	17.31	18.08	18.59	18.93	19.11
A(1)	2.3547E 00	2.4481E 00	3.2071E 00	4.3509E 00	5.6672E 00	6.9998E 00	8.2080E 00	9.1692E 00
A(2)	4.2953E 00	4.5456E 00	6.8071E 00	1.0977E 01	1.6908E 01	2.4149E 01	3.1788E 01	3.8595E 01
A(3)	6.3342E 00	6.7T74E 00	1.1C28E 01	1.9827E 01	3.4039E 01	5.3547E 01	7.6281E 01	9.8158E 01
A(4)	7.8955E 00	8.4997E 00	1.4484E 01	2.7681E 01	5.0536E 01	8.4046E 01	1.2538E 02	1.6698E 02
A(5)	8.4814E 00	9.1484E 00	1.5824E 01	3.0844E 01	5.7446E 01	9.7293E 01	1.4737E 02	1.9851E 02
THETAH	30.3	23.1	16.1	13.7	12.4	11.7	11.2	10.9
THETA(1)	53.2	48.7	41.8	37.8	35.3	33.7	32.5	31.8
THETA(2)	56.4	52.2	45.5	41.6	39.1	37.4	36.2	35.5
THETA(3)	60.9	57.1	50.9	47.1	44.5	42.8	41.6	40.8
THETA(4)	66.2	62.7	5T.0	53.4	51.0	49.2	48.0	47.2
THETA(5)	71.7	68.6	63.5	60.2	57.9	56.3	55.1	54.3
THETA(6)	77.4	74.6	70.1	67.2	65.1	63.6	62.5	61.8
THETA(7)	83.2	80.7	T6.7	74.2	72.5	71.2	70.2	69.6
THETA(8)	89.1	86.9	83.4	81.3	79.9	78.9	78.1	77.6
THETA(9)	95.1	93.1	90.1	88.4	87.4	86.6	86.1	85.7
THETA(10)	101.1	99.3	96.8	95.6	94.9	94.4	94.2	94.0
THETA(11)	107.2	105.7	103.7	102.9	102.5	102.4	102.3	102.3
THETA(12)	113.6	112.2	110.7	11C.3	110.2	110.4	110.5	110.7
THETA(13)	120.1	119.0	117.9	117.8	118.1	118.5	118.9	119.1
THETA(14)	127.0	126.1	125.4	125.7	126.2	126.8	127.3	127.7
THETA(15)	134.3	133.5	133.2	133.8	134.6	135.3	135.9	136.3
THETA(16)	142.1	141.5	141.5	142.3	143.2	143.9	144.5	144.9
THETA(17)	150.5	150.1	150.3	151.2	152.0	152.7	153.3	153.6
THETA(18)	159.7	159.4	159.8	160.5	161.2	161.7	162.1	162.4
THETA(19)	169.6	169.5	169.7	170.1	170.5	170.8	171.C	171.2
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	60.7	46.2	32.2	27.3	24.8	23.3	22.4	21.8
BW(1)	106.4	97.5	83.5	75.6	70.6	67.3	65.1	63.7

N=12 08= 40.

BETAO	2.678	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.426	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.464	0.339	0.218	0.153	0.111	0.081	0.057
G	15.54	28.90	49.81	65.67	77.90	87.29	94.27
G(08)	11.91	14.61	16.97	18.17	18.92	19.41	19.74
A(1)	2.2036E 00	2.3847E 00	3.3074E 00	4.6195E 00	6.1122E 00	7.6177E 00	8.9805E 00
A(2)	3.9692E 00	4.4526E 00	7.2852E 00	1.2380E 01	1.9697E 01	2.8719E 01	3.8308E 01
A(3)	5.9125E 00	6.7881E 00	1.2362E 01	2.3903E 01	4.3096E 01	7.0118E 01	1.0220E 02
A(4)	7.5913E 00	8.8401E 00	1.7192E 01	3.6011E 01	7.0229E 01	1.2254E 02	1.8919E 02
A(5)	8.56T0E 00	1.0044E 01	2.0158E 01	4.3879E 01	8.8887E 01	1.6C49E 02	2.5487E 02
THETAH	28.8	19.9	14.4	12.3	11.2	10.6	10.2
THETA(1)	50.3	44.4	38.0	34.4	32.2	30.7	29.6
THETA(2)	53.3	47.8	41.6	38.0	35.7	34.1	33.0
THETA(3)	57.6	52.5	46.6	43.1	40.T	39.0	37.9
THETA(4)	62.4	57.8	52.4	49.0	46.6	44.9	43.8
THETA(5)	67.6	63.4	58.5	55.3	53.0	51.4	50.3
THETA(6)	72.9	69.1	64.7	61.8	59.7	58.2	57.1
THETA(T)	78.3	T4.8	70.9	68.4	66.5	65.2	64.2
THETA(8)	83.6	80.6	77.1	74.9	73.4	72.2	71.4
THETA(9)	89.0	86.3	83.3	81.5	80.2	79.3	78.7
THETA(10)	94.5	92.0	89.5	88.1	87.1	86.5	86.0
THETA(11)	100.0	97.8	95.7	94.7	94.1	93.7	93.5
THETA(12)	105.6	103.6	102.0	101.3	101.1	101.0	100.9
THETA(13)	111.3	109.6	108.4	108.1	108.2	108.3	108.5
THETA(14)	11T.2	115.8	115.0	115.0	115.4	115.8	116.1
THETA(15)	123.4	122.2	121.7	122.1	122.7	123.3	123.8
THETA(16)	129.8	128.9	128.8	129.4	130.3	131.0	131.6
THETA(17)	136.7	135.9	136.2	137.1	138.0	138.8	139.5
THETA(18)	144.0	143.5	144.0	145.0	146.0	146.8	147.4
THETA(19)	152.0	151.6	152.3	153.3	154.2	155.0	155.5
THETA(20)	160.T	160.5	161.1	162.0	162.7	163.2	163.6
THETA(21)	170.1	170.0	170.4	17C.9	171.3	171.6	171.8
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	57.5	39.7	28.7	24.7	22.5	21.2	20.4
BW(1)	100.6	88.9	76.1	68.9	64.3	61.3	59.3

N=13 08= 40.

BETA0	2.714	2.513	2.199	1.885	1.571	1.257	0.942
O/LAMBDA	0.432	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.428	0.288	0.184	0.130	0.094	0.068	0.048
G	17.08	36.34	60.39	78.66	92.81	103.71	111.84
G(08)	12.32	15.60	17.81	18.96	19.68	20.16	20.49
A(1)	2.0658E 00	2.3496E 00	3.4249E 00	4.8597E 00	6.5651E 00	8.2406E 00	9.7560E 00
A(2)	3.6661E 00	4.4205E 00	7.8235E 00	1.3902E 01	2.2728E 01	3.3706E 01	4.5448E 01
A(3)	5.4821E 00	6.8720E 00	1.3848E 01	2.8529E 01	5.3638E 01	8.9783E 01	1.3339E 02
A(4)	7.1776E 00	9.2286E 00	2.0244E 01	4.5579E 01	9.4949E 01	1.7262E 02	2.7432E 02
A(5)	8.3863E 00	1.0938E 01	2.5185E 01	6.0492E 01	1.3188E 02	2.5160E 02	4.1602E 02
A(6)	8.8242E 00	1.1564E 01	2.7048E 01	6.6165E 01	1.4683E 02	2.8461E 02	4.7679E 02
THETAH	27.4	17.4	13.0	11.2	10.3	9.7	9.3
THETA(1)	47.8	40.8	34.9	31.6	29.5	28.1	27.2
THETA(2)	50.7	44.0	38.3	34.9	32.8	31.3	30.3
THETA(3)	54.7	48.5	43.0	39.7	37.4	35.9	34.8
THETA(4)	59.3	53.6	48.5	45.2	42.9	41.3	40.2
THETA(5)	64.1	59.0	54.2	51.1	48.9	47.3	46.2
THETA(6)	69.1	64.4	60.1	57.2	55.2	53.6	52.5
THETA(7)	74.0	69.8	65.9	63.4	61.5	60.1	59.1
THETA(8)	79.0	75.2	71.8	69.5	67.9	66.6	65.7
THETA(9)	84.0	80.6	77.5	75.6	74.2	73.2	72.4
THETA(10)	89.0	85.9	83.3	81.7	80.6	79.8	79.2
THETA(11)	94.0	91.2	89.1	87.8	87.0	86.5	86.1
THETA(12)	99.1	96.6	94.8	93.9	93.4	93.1	92.9
THETA(13)	104.2	102.0	100.6	100.1	99.9	99.8	99.8
THETA(14)	109.4	107.5	106.5	106.3	106.4	106.6	106.8
THETA(15)	114.8	113.2	112.6	112.7	113.1	113.5	113.8
THETA(16)	120.4	119.0	118.7	119.2	119.8	120.4	120.9
THETA(17)	126.2	125.1	125.1	125.9	126.7	127.4	128.0
THETA(18)	132.3	131.4	131.8	132.8	133.8	134.6	135.3
THETA(19)	138.8	138.1	138.8	139.9	141.0	141.9	142.6
THETA(20)	145.7	145.3	146.2	147.4	148.5	149.3	150.0
THETA(21)	153.3	153.1	154.0	155.2	156.1	156.9	157.4
THETA(22)	161.6	161.5	162.3	163.2	164.0	164.5	164.9
THETA(23)	170.6	170.6	171.0	171.5	171.9	172.2	172.4
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	54.8	34.9	25.9	22.5	20.6	19.4	18.7
BW(1)	95.7	81.6	69.9	63.3	59.1	56.3	54.4

N=14 08= 40.

BETA0	2.745	2.513	2.199	1.885	1.571	1.257	0.942
O/LAMBDA	0.437	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.397	0.247	0.158	0.111	0.081	0.059	0.041
G	18.63	44.53	71.90	92.77	109.00	121.52	130.94
G(08)	12.70	16.49	18.57	19.67	20.37	20.85	21.17
A(1)	1.9410E 00	2.3372E 00	3.5559E 00	5.1892E 00	7.0244E 00	8.8678E 00	1.0534E 01
A(2)	3.3899E 00	4.4383E 00	8.4192E 00	1.5546E 01	2.6002E 01	3.9113E 01	5.3211E 01
A(3)	5.0683E 00	7.0257E 00	1.5502E 01	3.3754E 01	6.5795E 01	1.1282E 02	1.7035E 02
A(4)	6.7204E 00	9.6852E 00	2.3696E 01	5.7818E 01	1.2551E 02	2.3640E 02	3.8507E 02
A(5)	8.0482E 00	1.1886E 01	3.1034E 01	8.1389E 01	1.8928E 02	3.7881E 02	6.4844E 02
A(6)	8.7889E 00	1.3134E 01	3.5391E 01	9.6132E 01	2.3121E 02	4.7676E 02	8.3638E 02
THETAH	26.2	15.6	11.8	10.3	9.5	9.0	8.6
THETA(1)	45.7	37.7	32.3	29.2	27.3	26.0	25.2
THETA(2)	48.4	40.8	35.5	32.3	30.3	28.9	28.0
THETA(3)	52.2	45.2	39.9	36.8	34.6	33.2	32.2
THETA(4)	56.5	50.1	45.1	42.0	39.8	38.3	37.2
THETA(5)	61.1	55.2	50.6	47.5	45.4	43.8	42.8
THETA(6)	65.8	60.4	56.1	53.3	51.2	49.7	48.6
THETA(7)	70.4	65.5	61.7	59.1	57.2	55.7	54.7
THETA(8)	75.1	70.6	67.2	64.9	63.1	61.8	60.9
THETA(9)	79.7	75.7	72.6	70.6	69.1	68.0	67.1
THETA(10)	84.4	80.7	78.0	76.3	75.1	74.1	73.4
THETA(11)	89.0	85.7	83.4	82.0	81.0	80.3	79.8
THETA(12)	93.6	90.7	88.8	87.7	87.0	86.5	86.1
THETA(13)	98.3	95.6	94.1	93.4	92.9	92.7	92.5
THETA(14)	103.0	100.7	99.5	99.1	99.0	98.9	98.9
THETA(15)	107.9	105.8	105.0	104.9	105.0	105.2	105.4
THETA(16)	112.8	111.0	110.6	110.8	111.1	111.5	111.9
THETA(17)	117.9	116.4	116.3	116.7	117.4	117.9	118.4
THETA(18)	123.1	121.9	122.1	122.9	123.7	124.4	125.0
THETA(19)	128.6	127.7	128.2	129.2	130.2	131.0	131.7
THETA(20)	134.4	133.7	134.5	135.7	136.8	137.7	138.5
THETA(21)	140.6	140.2	141.2	142.5	143.6	144.6	145.3
THETA(22)	147.2	147.0	148.2	149.5	150.6	151.5	152.1
THETA(23)	154.5	154.4	155.6	156.8	157.8	158.5	159.0
THETA(24)	162.4	162.5	163.4	164.4	165.1	165.6	166.0
THETA(25)	171.0	171.0	171.6	172.1	172.5	172.8	173.0
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	52.4	31.1	23.7	20.6	19.0	17.9	17.2
BW(1)	91.4	75.5	64.6	58.5	54.6	52.0	50.3

N=15 08= 40.

BETAO	2.772	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.441	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.370	0.214	0.137	0.096	0.070	0.051	0.036
G	20.19	53.45	84.34	108.00	126.46	140.72	147.19
G(08)	13.05	17.28	19.26	20.33	21.02	21.48	21.68
A(1)	1.8281E 00	2.3420E 00	3.6977E 00	5.4862E 00	7.4890E 00	9.4984E 00	1.1314E 01
A(2)	3.1411E 00	4.4969E 00	9.0694E 00	1.7311E 01	2.9522E 01	4.4942E 01	6.1599E 01
A(3)	4.6829E 00	7.2431E 00	1.7334E 01	3.9623E 01	7.9693E 01	1.3952E 02	2.1357E 02
A(4)	6.2586E 00	1.0221E 01	2.7600E 01	7.1773E 01	1.6279E 02	3.1618E 02	5.2611E 02
A(5)	7.6287E 00	1.2921E 01	3.7838E 01	1.0736E 02	2.6437E 02	5.5173E 02	9.7325E 02
A(6)	8.5628E 00	1.4811E 01	4.5455E 01	1.3568E 02	3.5051E 02	7.6309E 02	1.3935E 03
A(7)	8.8944E 00	1.5491E 01	4.8277E 01	1.4652E 02	3.8453E 02	8.4892E 02	1.5680E 03
THETAH	25.2	14.1	10.9	9.5	8.8	8.3	8.0
THETA(1)	43.8	35.1	30.0	27.2	25.4	24.2	23.4
THETA(2)	46.4	38.1	33.0	30.1	28.2	26.9	26.0
THETA(3)	50.0	42.2	37.3	34.2	32.2	30.9	29.9
THETA(4)	54.1	46.9	42.2	39.1	37.1	35.6	34.6
THETA(5)	58.5	51.9	47.4	44.4	42.3	40.8	39.8
THETA(6)	62.9	56.8	52.7	49.9	47.8	46.3	45.3
THETA(7)	67.3	61.8	58.0	55.3	53.4	52.0	50.9
THETA(8)	71.7	66.7	63.2	60.8	59.0	57.7	56.7
THETA(9)	76.0	71.5	68.4	66.2	64.6	63.4	62.5
THETA(10)	80.4	76.2	73.5	71.6	70.2	69.2	68.4
THETA(11)	84.7	80.9	78.5	77.0	75.8	75.0	74.3
THETA(12)	89.0	85.6	83.5	82.3	81.4	80.7	80.2
THETA(13)	93.3	90.2	88.6	87.6	87.0	86.5	86.2
THETA(14)	97.7	94.9	93.6	92.9	92.6	92.3	92.2
THETA(15)	102.1	99.6	98.6	98.3	98.2	98.1	98.2
THETA(16)	106.5	104.4	103.7	103.7	103.8	104.0	104.2
THETA(17)	111.1	109.2	108.9	109.1	109.5	109.9	110.2
THETA(18)	115.7	114.2	114.2	114.7	115.3	115.9	116.3
THETA(19)	120.5	119.3	119.6	120.3	121.1	121.9	122.5
THETA(20)	125.5	124.5	125.1	126.1	127.1	128.0	128.7
THETA(21)	130.8	130.0	130.9	132.1	133.3	134.2	134.9
THETA(22)	136.3	135.8	137.0	138.3	139.5	140.5	141.2
THETA(23)	142.2	142.0	143.3	144.7	145.9	146.9	147.6
THETA(24)	148.5	148.6	150.0	151.4	152.5	153.4	154.0
THETA(25)	155.5	155.7	157.0	158.2	159.2	159.9	160.4
THETA(26)	163.1	163.3	164.4	165.3	166.1	166.6	166.9
THETA(27)	171.3	171.5	172.1	172.6	173.0	173.3	173.5
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	50.3	28.2	21.8	19.1	17.6	16.6	16.0
BW(1)	87.6	70.2	60.0	54.3	50.7	48.4	46.8

N=20 08= 40.

BETAO	2.866	2.827	2.513	2.199	1.885	1.571
D/LAMBDA	0.456	0.450	0.400	0.350	0.300	0.250
ALPHA	0.276	0.241	0.118	0.075	0.053	0.038
G	28.03	38.28	108.51	160.28	200.66	232.48
G(08)	14.48	15.83	20.35	22.05	23.02	23.66
A(1)	1.4041E 00	1.4275E 00	2.5251E 00	4.5100E 00	7.0454E 00	9.8645E 00
A(2)	2.2342E 00	2.2856E 00	5.2098E 00	1.3074E 01	2.7946E 01	5.0836E 01
A(3)	3.2290E 00	3.3185E 00	9.1199E 00	2.9462E 01	8.0139E 01	1.7975E 02
A(4)	4.3326E 00	4.4684E 00	1.4170E 01	5.5604E 01	1.8275E 02	4.8501E 02
A(5)	5.4664E 00	5.6531E 00	2.0016E 01	9.1283E 01	3.4788E 02	1.0551E 03
A(6)	6.5369E 00	6.7742E 00	2.6069E 01	1.3324E 02	5.6857E 02	1.9117E 03
A(7)	7.4476E 00	7.7294E 00	3.1584E 01	1.7528E 02	8.1192E 02	2.9433E 03
A(8)	8.1108E 00	8.4258E 00	3.5797E 01	2.0957E 02	1.0241E 03	3.9001E 03
A(9)	8.4603E 00	8.7930E 00	3.8080E 01	2.2889E 02	1.1485E 03	4.4817E 03
THETAH	21.3	17.8	9.6	7.8	7.0	6.4
THETA(1)	36.9	34.8	25.9	22.2	20.1	18.7
THETA(2)	39.0	37.1	28.4	24.5	22.3	20.8
THETA(3)	42.0	40.2	31.9	27.9	25.5	23.9
THETA(4)	45.4	43.7	35.9	31.8	29.3	27.6
THETA(5)	49.0	47.4	40.0	36.0	33.4	31.6
THETA(6)	52.6	51.1	44.2	40.3	37.7	35.8
THETA(7)	56.1	54.8	48.4	44.6	42.1	40.2
THETA(8)	59.6	58.4	52.4	48.9	46.4	44.5
THETA(9)	63.1	61.9	56.4	53.1	50.7	48.9
THETA(10)	66.5	65.4	60.3	57.2	55.0	53.3
THETA(11)	69.8	68.8	64.1	61.3	59.2	57.6
THETA(12)	73.1	72.2	67.8	65.3	63.4	61.9
THETA(13)	76.4	75.5	71.4	69.2	67.5	66.2
THETA(14)	79.6	78.7	75.0	73.0	71.6	70.4
THETA(15)	82.8	82.0	78.6	76.9	75.6	74.6
THETA(16)	86.0	85.2	82.1	80.7	79.6	78.9
THETA(17)	89.1	88.4	85.7	84.4	83.6	83.0
THETA(18)	92.3	91.7	89.2	88.2	87.6	87.2
THETA(19)	95.5	94.9	92.7	92.0	91.6	91.4
THETA(20)	98.7	98.1	96.2	95.7	95.6	95.6
THETA(21)	101.9	101.4	99.8	99.5	99.6	99.8
THETA(22)	105.2	104.7	103.3	103.3	103.6	104.0
THETA(23)	108.5	108.1	106.9	107.2	107.7	108.3
THETA(24)	111.9	111.5	110.6	111.1	111.8	112.6
THETA(25)	115.3	114.9	114.4	115.1	116.0	116.9
THETA(26)	118.9	118.5	118.2	119.2	120.3	121.3
THETA(27)	122.5	122.2	122.1	123.3	124.6	125.8
THETA(28)	126.3	125.9	126.2	127.6	129.0	130.3
THETA(29)	130.2	129.9	130.4	132.0	133.6	134.9
THETA(30)	134.3	134.0	134.7	136.5	138.2	139.6
THETA(31)	138.6	138.4	139.3	141.3	143.0	144.4
THETA(32)	143.1	143.0	144.2	146.2	147.9	149.3
THETA(33)	148.1	147.9	149.3	151.3	153.0	154.2
THETA(34)	153.4	153.3	154.7	156.7	158.2	159.3
THETA(35)	159.2	159.2	160.6	162.2	163.5	164.4
THETA(36)	165.6	165.6	166.8	168.0	168.9	169.5
THETA(37)	172.6	172.6	173.3	174.0	174.4	174.8
THETA(38)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	42.6	35.7	19.3	15.7	13.9	12.9
BW(1)	73.8	69.6	51.9	44.4	40.1	37.5

N=25 D8= 40.

BETAD	2.923	2.827	2.513	2.199	1.885
D/LAMBDA	0.465	0.450	0.400	0.350	0.300
ALPHA	0.219	0.152	0.074	0.047	0.033
G	35.92	75.80	180.35	258.52	320.10
G(D8)	15.55	18.80	22.56	24.12	25.05
A(1)	1.1327E 00	1.2821E 00	2.8426E 00	5.4148E 00	8.6734E 00
A(2)	1.6940E 00	2.0012E 00	6.3778E 00	1.8242E 01	4.1586E 01
A(3)	2.3616E 00	2.8836E 00	1.2102E 01	4.7305E 01	1.4311E 02
A(4)	3.1164E 00	3.9071E 00	2.0401E 01	1.0243E 02	3.9089E 02
A(5)	3.9298E 00	5.0332E 00	3.1362E 01	1.9307E 02	8.9275E 02
A(6)	4.7642E 00	6.2093E 00	4.4659E 01	3.2466E 02	1.7586E 03
A(7)	5.5778E 00	7.3717E 00	5.9508E 01	4.9480E 02	3.0485E 03
A(8)	6.3239E 00	8.4510E 00	7.4715E 01	6.9075E 02	4.7136E 03
A(9)	6.9600E 00	9.3783E 00	8.8812E 01	8.8974E 02	6.5619E 03
A(10)	7.4454E 00	1.0091E 01	1.0027E 02	1.0627E 03	8.2770E 03
A(11)	7.7501E 00	1.0540E 01	1.0776E 02	1.1808E 03	9.4996E 03
A(12)	7.8539E 00	1.0694E 01	1.1036E 02	1.2228E 03	9.9434E 03
THETAH	18.8	12.1	7.4	6.1	5.5
THETA(1)	32.5	27.6	20.6	17.6	15.9
THETA(2)	34.3	29.7	22.7	19.5	17.7
THETA(3)	36.9	32.6	25.6	22.3	20.3
THETA(4)	39.9	35.9	29.0	25.5	23.4
THETA(5)	42.9	39.2	32.6	29.0	26.7
THETA(6)	46.0	42.6	36.3	32.7	30.3
THETA(7)	49.1	45.9	39.9	36.3	33.9
THETA(8)	52.1	49.1	43.4	40.0	37.5
THETA(9)	55.0	52.2	46.9	43.5	41.1
THETA(10)	57.9	55.3	50.3	47.1	44.7
THETA(11)	60.7	58.2	53.6	50.5	48.2
THETA(12)	63.5	61.1	56.8	53.9	51.7
THETA(13)	66.2	64.0	59.9	57.2	55.2
THETA(14)	68.9	66.8	63.0	60.5	58.6
THETA(15)	71.5	69.5	66.0	63.7	61.9
THETA(16)	74.1	72.2	68.9	66.9	65.3
THETA(17)	76.7	74.9	71.9	70.0	68.6
THETA(18)	79.2	77.5	74.8	73.1	71.8
THETA(19)	81.8	80.1	77.6	76.2	75.0
THETA(20)	84.3	82.8	80.5	79.2	78.3
THETA(21)	86.8	85.3	83.3	82.2	81.5
THETA(22)	89.3	87.9	86.1	85.2	84.7
THETA(23)	91.8	90.5	88.9	88.2	87.8
THETA(24)	94.3	93.1	91.7	91.2	91.0
THETA(25)	96.8	95.7	94.5	94.2	94.2
THETA(26)	99.3	98.3	97.3	97.3	97.4
THETA(27)	101.9	100.9	100.1	100.3	100.6
THETA(28)	104.5	103.5	103.0	103.3	103.8
THETA(29)	107.1	106.2	105.9	106.4	107.1
THETA(30)	109.7	108.9	108.8	109.5	110.3
THETA(31)	112.4	111.6	111.7	112.7	113.6
THETA(32)	115.1	114.4	114.7	115.8	117.0
THETA(33)	117.9	117.2	117.8	119.1	120.4
THETA(34)	120.7	120.1	120.9	122.4	123.8
THETA(35)	123.6	123.1	124.1	125.8	127.3
THETA(36)	126.6	126.2	127.4	129.2	130.9
THETA(37)	129.7	129.4	130.8	132.8	134.5
THETA(38)	132.9	132.7	134.3	136.4	138.3
THETA(39)	136.3	136.1	137.9	140.2	142.1
THETA(40)	139.8	139.7	141.7	144.1	146.0
THETA(41)	143.6	143.5	145.7	148.1	149.9
THETA(42)	147.6	147.6	149.9	152.2	154.0
THETA(43)	151.9	151.9	154.3	156.6	158.2
THETA(44)	156.5	156.7	159.0	161.0	162.4
THETA(45)	161.7	161.8	163.9	165.6	166.7
THETA(46)	167.3	167.5	169.1	170.3	171.1
THETA(47)	173.5	173.6	174.5	175.1	175.6
THETA(48)	180.0	180.0	180.0	180.0	180.0
BW(H)	37.6	24.2	14.8	12.3	11.0
BW(1)	64.9	55.3	41.1	35.2	31.8

N=30 08= 40.

BETAD	2.960	2.827	2.513	2.199	1.885
O/LAMBDA	0.471	0.450	0.400	0.350	0.300
ALPHA	0.182	0.104	0.051	0.033	0.023
G	43.82	123.51	268.39	378.33	426.90
G(08)	16.42	20.92	24.29	25.78	26.30
A(1)	9.4686E-01	1.2534E 00	3.2196E 00	6.3636E 00	1.0335E 01
A(2)	1.3488E 00	1.9577E 00	7.8664E 00	2.4517E 01	5.8221E 01
A(3)	1.8207E 00	2.8420E 00	1.6124E 01	7.1916E 01	2.3370E 02
A(4)	2.3551E 00	3.9013E 00	2.9270E 01	1.7523E 02	7.4200E 02
A(5)	2.9400E 00	5.1174E 00	4.8411E 01	3.7086E 02	1.9679E 03
A(6)	3.5593E 00	6.4587E 00	7.4215E 01	7.0013E 02	4.5056E 03
A(7)	4.1936E 00	7.8808E 00	1.0664E 02	1.1996E 03	9.0994E 03
A(8)	4.8206E 00	9.3287E 00	1.4474E 02	1.8875E 03	1.6455E 04
A(9)	5.4168E 00	1.0740E 01	1.8662E 02	2.7510E 03	2.6931E 04
A(10)	5.9586E 00	1.2C49E 01	2.2946E 02	3.7368E 03	4.0208E 04
A(11)	6.4233E 00	1.319CE 01	2.6989E 02	4.7519E 03	5.5074E 04
A(12)	6.7911E 00	1.4104E 01	3.0429E 02	5.6756E 03	6.9500E 04
A(13)	7.0458E 00	1.4743E 01	3.2938E 02	6.3816E 03	8.1036E 04
A(14)	7.1762E 00	1.5072E 01	3.4261E 02	6.7645E 03	8.7465E 04
THETAH	17.0	9.2	6.0	5.0	4.5
THETA(1)	29.3	22.9	17.0	14.6	13.2
THETA(2)	31.0	24.8	18.8	16.2	14.7
THETA(3)	33.3	27.5	21.4	18.5	16.8
THETA(4)	35.9	30.5	24.4	21.3	19.4
THETA(5)	38.7	33.6	27.6	24.3	22.3
THETA(6)	41.5	36.7	30.8	27.4	25.3
THETA(7)	44.2	39.7	34.0	30.6	28.3
THETA(8)	46.8	42.6	37.2	33.8	31.4
THETA(9)	49.4	45.5	40.3	36.9	34.5
THETA(10)	52.0	48.2	43.3	40.0	37.6
THETA(11)	54.5	50.9	46.2	43.0	40.7
THETA(12)	56.9	53.5	49.1	46.0	43.7
THETA(13)	59.3	56.1	51.8	48.9	46.7
THETA(14)	61.6	58.6	54.6	51.8	49.6
THETA(15)	63.9	61.0	57.2	54.6	52.6
THETA(16)	66.1	63.4	59.9	57.4	55.4
THETA(17)	68.3	65.7	62.4	60.1	58.3
THETA(18)	70.5	68.0	65.0	62.8	61.1
THETA(19)	72.7	70.3	67.4	65.5	63.9
THETA(20)	74.8	72.6	69.9	68.1	66.6
THETA(21)	76.9	74.8	72.3	70.7	69.4
THETA(22)	79.0	77.0	74.7	73.3	72.1
THETA(23)	81.1	79.2	77.1	75.8	74.8
THETA(24)	83.2	81.4	79.5	78.3	77.4
THETA(25)	85.3	83.5	81.8	80.9	80.1
THETA(26)	87.3	85.7	84.2	83.4	82.8
THETA(27)	89.4	87.8	86.5	85.9	85.4
THETA(28)	91.5	90.0	88.8	88.4	88.1
THETA(29)	93.5	92.1	91.2	90.8	90.7
THETA(30)	95.6	94.3	93.5	93.3	93.3
THETA(31)	97.7	96.4	95.8	95.8	96.0
THETA(32)	99.8	98.6	98.2	98.4	98.6
THETA(33)	101.8	100.8	100.5	100.9	101.3
THETA(34)	104.0	103.0	102.9	103.4	104.0
THETA(35)	106.1	105.2	105.3	106.0	106.7
THETA(36)	108.2	107.4	107.7	108.5	109.4
THETA(37)	110.4	109.7	110.1	111.1	112.1
THETA(38)	112.6	111.9	112.6	113.8	114.9
THETA(39)	114.9	114.3	115.1	116.4	117.7
THETA(40)	117.2	116.6	117.6	119.1	120.5
THETA(41)	119.5	119.0	120.2	121.9	123.4
THETA(42)	121.9	121.5	122.9	124.7	126.3
THETA(43)	124.3	124.0	125.6	127.5	129.2
THETA(44)	126.8	126.6	128.3	130.4	132.2
THETA(45)	129.3	129.2	131.2	133.4	135.2
THETA(46)	132.0	131.9	134.1	136.4	138.3
THETA(47)	134.8	134.8	137.1	139.5	141.5
THETA(48)	137.6	137.7	140.2	142.7	144.7
THETA(49)	140.6	140.8	143.5	146.0	148.0
THETA(50)	143.8	144.1	146.9	149.4	151.3
THETA(51)	147.1	147.5	150.4	152.9	154.7
THETA(52)	150.7	151.2	154.1	156.5	158.2
THETA(53)	154.6	155.1	158.0	160.2	161.7
THETA(54)	158.8	159.4	162.1	164.0	165.3
THETA(55)	163.4	164.0	166.3	167.9	168.9
THETA(56)	168.5	169.0	170.8	171.9	172.6
THETA(57)	174.1	174.4	175.4	175.9	176.3
THETA(58)	180.0	180.0	180.0	180.0	180.0
BW(M)	34.0	18.4	12.1	10.1	9.1
BW(1)	58.6	45.8	34.1	29.1	26.4

N= 3 D8= 50.

BETA0	1.650	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.262	0.250	0.200	0.150	0.100	0.050
ALPHA	1.492	1.413	1.110	0.820	0.541	0.269
G	2.81	3.05	3.90	4.57	5.04	5.33
G(D8)	4.48	4.84	5.91	6.60	7.03	7.26
A(1)	1.9874E 00	1.9875E 00	1.9892E 00	1.9925E 00	1.9962E 00	1.9990E 00
THETAH	72.1	68.4	57.4	51.0	47.4	45.6
THETA(1)	146.7	145.9	143.1	141.1	139.6	138.8
THETA(2)	154.6	154.0	152.0	150.5	149.4	148.7
THETA(3)	166.3	166.0	164.9	164.1	163.6	163.2
THETA(4)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	144.1	136.8	114.8	102.0	94.9	91.3
BW(1)	293.4	291.7	286.3	282.2	279.3	277.5

N= 4 D8= 50.

BETA0	1.803	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.287	0.250	0.200	0.150	0.100	0.050
ALPHA	1.339	1.119	0.854	0.617	0.401	0.198
G	3.73	4.99	6.43	7.53	8.30	8.74
G(D8)	5.72	6.98	8.08	8.77	9.19	9.42
A(1)	2.8415E 00	2.8494E 00	2.8800E 00	2.9216E 00	2.9616E 00	2.9898E 00
THETAH	61.0	50.6	42.4	38.0	35.7	34.5
THETA(1)	121.4	117.6	113.7	110.9	109.0	108.0
THETA(2)	127.9	124.7	121.3	118.9	117.3	116.4
THETA(3)	138.0	135.4	132.8	130.9	129.7	129.0
THETA(4)	150.5	148.8	147.0	145.8	145.0	144.5
THETA(5)	164.8	163.9	163.1	162.5	162.1	161.9
THETA(6)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	122.0	101.2	84.7	76.1	71.4	69.0
BW(1)	242.7	235.3	227.5	221.9	218.1	215.9

N= 5 D8= 50.

BETA0	1.964	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.312	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.178	1.101	0.839	0.627	0.447	0.288	0.141
G	4.79	5.51	8.12	10.20	11.75	12.82	13.44
G(D8)	6.80	7.41	9.10	10.09	10.70	11.08	11.28
A(1)	3.4115E 00	3.4151E 00	3.4870E 00	3.6154E 00	3.7590E 00	3.8850E 00	3.9701E 00
A(2)	4.8663E 00	4.8730E 00	5.0069E 00	5.2494E 00	5.5252E 00	5.7716E 00	5.9402E 00
THETAH	53.2	48.9	37.8	32.5	29.7	28.2	27.4
THETA(1)	103.3	101.6	96.0	92.1	89.3	87.5	86.5
THETA(2)	108.6	107.0	102.0	98.4	95.9	94.3	93.4
THETA(3)	116.7	115.3	111.0	108.0	105.9	104.5	103.7
THETA(4)	126.8	125.7	122.3	119.9	118.3	117.2	116.6
THETA(5)	138.5	137.7	135.1	133.4	132.3	131.6	131.2
THETA(6)	151.5	150.9	149.3	148.2	147.6	147.2	147.0
THETA(7)	165.5	165.2	164.4	163.9	163.6	163.4	163.3
THETA(8)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	106.3	97.7	75.5	65.0	59.5	56.4	54.8
BW(1)	206.6	203.1	192.0	184.1	178.7	175.1	173.0

N= 6 D8= 50.

BETA0	2.108	1.885	1.571	1.257	0.942	0.628	0.314
D/LAMBDA	0.335	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	1.034	0.837	0.625	0.461	0.326	0.209	0.102
G	5.94	8.92	12.49	15.24	17.26	18.64	19.45
G(D8)	7.73	9.50	10.97	11.83	12.37	12.71	12.89
A(1)	3.6903E 00	3.7473E 00	3.9622E 00	4.2494E 00	4.5400E 00	4.7835E 00	4.9441E 00
A(2)	6.4140E 00	6.5557E 00	7.1019E 00	7.8609E 00	8.6624E 00	9.3599E 00	9.8328E 00
THETAH	47.3	36.7	29.5	26.1	24.2	23.2	22.6
THETA(1)	90.5	85.3	80.0	76.5	74.0	72.5	71.6
THETA(2)	94.9	90.1	85.2	81.9	79.6	78.1	77.3
THETA(3)	101.6	97.3	93.0	90.1	88.0	86.7	85.9
THETA(4)	109.9	106.2	102.6	100.1	98.4	97.4	96.7
THETA(5)	119.4	116.3	113.4	111.5	110.2	109.4	109.0
THETA(6)	129.9	127.5	125.3	123.9	123.0	122.5	122.2
THETA(7)	141.3	139.5	138.0	137.1	136.6	136.3	136.2
THETA(8)	153.5	152.4	151.4	151.0	150.7	150.6	150.6
THETA(9)	166.5	166.0	165.5	165.3	165.2	165.2	165.2
THETA(10)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	94.7	73.5	59.0	52.1	48.4	46.3	45.2
BW(1)	180.9	170.5	160.1	153.0	148.1	144.9	143.1

N= 7 08= 50.

BETA0	2.229	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBDA	0.354	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.913	0.883	0.640	0.473	0.347	0.244	0.156	0.076
G	7.15	7.73	13.47	18.04	21.50	24.04	25.78	26.79
G(08)	8.54	8.88	11.29	12.56	13.33	13.81	14.11	14.28
A(1)	3.7571E 00	3.7590E 00	3.9630E 00	4.3674E 00	4.8418E 00	5.2985E 00	5.6721E 00	5.9156E 00
A(2)	7.2859E 00	7.2914E 00	7.8893E 00	9.1359E 00	1.0703E 01	1.2317E 01	1.3715E 01	1.4664E 01
A(3)	8.9533E 00	8.9607E 00	9.7744E 00	1.1497E 01	1.3707E 01	1.6034E 01	1.8086E 01	1.9497E 01
THETAH	42.9	41.0	28.9	24.1	21.7	20.4	19.6	19.2
THETA(1)	80.9	80.1	72.9	68.2	65.1	62.9	61.6	60.8
THETA(2)	84.8	84.0	77.2	72.8	69.8	67.8	66.4	65.7
THETA(3)	90.5	89.7	83.7	79.6	76.9	75.0	73.8	73.0
THETA(4)	97.5	96.9	91.5	88.0	85.6	84.0	82.9	82.3
THETA(5)	105.5	104.9	100.3	97.4	95.4	94.1	93.2	92.7
THETA(6)	114.2	113.7	109.9	107.5	106.0	105.0	104.4	104.1
THETA(7)	123.5	123.1	120.0	118.3	117.2	116.6	116.2	116.0
THETA(8)	133.5	133.2	130.8	129.6	128.9	128.6	128.4	128.4
THETA(9)	144.2	143.9	142.2	141.5	141.2	141.0	141.0	141.0
THETA(10)	155.6	155.4	154.3	153.9	153.8	153.8	153.9	153.9
THETA(11)	167.6	167.5	167.0	166.8	166.8	166.8	166.9	166.9
THETA(12)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	85.8	82.1	57.8	48.1	43.4	40.7	39.2	38.3
BW(1)	161.9	160.2	145.8	136.4	130.1	125.9	123.1	121.6

N= 8 08= 50.

BETA0	2.328	2.199	1.885	1.571	1.257	0.942	0.628	0.314
O/LAMBDA	0.370	0.350	0.300	0.250	0.200	0.150	0.100	0.050
ALPHA	0.814	0.699	0.500	0.367	0.268	0.188	0.120	0.059
G	8.42	11.82	19.09	24.72	28.97	32.08	34.21	35.44
G(08)	9.25	10.73	12.81	13.93	14.62	15.06	15.34	15.49
A(1)	3.6951E 00	3.7442E 00	4.1461E 00	4.7550E 00	5.4240E 00	6.0512E 00	6.5581E 00	6.8864E 00
A(2)	7.5961E 00	7.7495E 00	9.0577E 00	1.1215E 01	1.3830E 01	1.6513E 01	1.8846E 01	2.0436E 01
A(3)	1.0576E 01	1.0823E 01	1.2968E 01	1.6639E 01	2.1289E 01	2.6266E 01	3.0747E 01	3.3875E 01
THETAH	39.4	32.1	23.7	20.3	18.6	17.5	16.9	16.6
THETA(1)	73.7	69.9	63.4	59.3	56.5	54.6	53.4	52.7
THETA(2)	77.0	73.5	67.3	63.4	60.7	58.8	57.6	57.0
THETA(3)	82.1	78.8	73.2	69.5	66.9	65.2	64.0	63.4
THETA(4)	88.2	85.3	80.3	76.9	74.6	73.0	72.0	71.4
THETA(5)	95.1	92.5	88.1	85.3	83.3	81.9	81.0	80.5
THETA(6)	102.6	100.3	96.5	94.2	92.6	91.5	90.8	90.4
THETA(7)	110.4	108.5	105.4	103.5	102.3	101.5	101.0	100.8
THETA(8)	118.8	117.1	114.6	113.2	112.4	112.0	111.7	111.6
THETA(9)	127.5	126.2	124.3	123.3	122.9	122.7	122.6	122.6
THETA(10)	136.9	135.8	134.4	133.9	133.7	133.7	133.8	133.9
THETA(11)	146.8	146.0	145.1	144.8	144.9	145.0	145.2	145.3
THETA(12)	157.3	156.8	156.3	156.2	156.4	156.5	156.7	156.8
THETA(13)	168.5	168.2	168.0	168.0	168.1	168.2	168.3	168.4
THETA(14)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	78.8	64.3	47.4	40.6	37.1	35.1	33.9	33.2
BW(1)	147.3	139.8	126.8	118.5	113.0	109.2	106.8	105.5

N= 9 08= 50.

BETA0	2.411	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.383	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.731	0.559	0.397	0.291	0.212	0.149	0.095
G	9.71	16.88	25.74	32.52	37.63	41.38	43.95
G(08)	9.87	12.27	14.11	15.12	15.76	16.17	16.43
A(1)	3.5643E 00	3.7250E 00	4.3335E 00	5.1465E 00	6.0085E 00	6.8052E 00	7.4446E 00
A(2)	7.5345E 00	8.0611E 00	1.0202E 01	1.3423E 01	1.7291E 01	2.1277E 01	2.4764E 01
A(3)	1.1332E 01	1.2278E 01	1.6266E 01	2.2649E 01	3.0839E 01	3.9809E 01	4.8049E 01
A(4)	1.2912E 01	1.4047E 01	1.8884E 01	2.6777E 01	3.7121E 01	4.8675E 01	5.9460E 01
THETAH	36.6	26.1	20.1	17.6	16.2	15.4	14.9
THETA(1)	67.9	61.8	56.0	52.3	49.8	48.2	47.1
THETA(2)	71.0	65.2	59.6	56.0	53.6	51.9	50.8
THETA(3)	75.5	70.1	64.9	61.5	59.2	57.6	56.5
THETA(4)	81.0	76.1	71.4	68.3	66.1	64.6	63.6
THETA(5)	87.1	82.8	78.6	75.8	73.8	72.5	71.6
THETA(6)	93.6	89.8	86.2	83.8	82.1	81.0	80.2
THETA(7)	100.5	97.1	94.0	92.1	90.8	89.9	89.3
THETA(8)	107.6	104.7	102.2	100.7	99.7	99.1	98.7
THETA(9)	115.1	112.6	110.6	109.5	108.9	108.5	108.4
THETA(10)	122.9	120.8	119.3	118.6	118.3	118.2	118.2
THETA(11)	131.1	129.4	128.3	128.0	128.0	128.1	128.2
THETA(12)	139.7	138.5	137.8	137.7	137.9	138.2	138.4
THETA(13)	149.0	148.1	147.7	147.9	148.2	148.4	148.7
THETA(14)	158.8	158.2	158.1	158.3	158.6	158.9	159.1
THETA(15)	169.2	169.0	168.9	169.1	169.2	169.4	169.5
THETA(16)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	73.1	52.2	40.2	35.2	32.4	30.8	29.8
BW(1)	135.8	123.6	112.0	104.6	99.6	96.3	94.2

N=10 DB= 50.

BETAO	2.479	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.394	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.663	0.456	0.323	0.236	0.172	0.120	0.077
G	11.04	22.85	33.38	41.40	47.46	51.92	54.99
G(08)	10.43	13.59	15.24	16.17	16.76	17.15	17.40
A(1)	3.4020E 00	3.7271E 00	4.5371E 00	5.5487E 00	6.5996E 00	7.5627E 00	8.3326E 00
A(2)	7.2597E 00	8.3574E 00	1.1399E 01	1.5811E 01	2.1118E 01	2.6627E 01	3.1477E 01
A(3)	1.1452E 01	1.3575E 01	1.9817E 01	2.9683E 01	4.2626E 01	5.7137E 01	7.0716E 01
A(4)	1.4218E 01	1.7088E 01	2.5761E 01	4.0029E 01	5.9530E 01	8.2219E 01	1.0409E 02
THETAH	34.2	21.9	17.5	15.5	14.4	13.7	13.3
THETA(1)	63.2	55.3	50.1	46.7	44.5	43.0	42.1
THETA(2)	66.0	58.5	53.4	50.1	47.9	46.4	45.4
THETA(3)	70.2	63.1	58.3	55.2	53.0	51.5	50.5
THETA(4)	75.2	68.7	64.3	61.3	59.3	57.8	56.9
THETA(5)	80.7	74.9	70.9	68.2	66.3	64.9	64.0
THETA(6)	86.6	81.4	77.8	75.5	73.8	72.6	71.8
THETA(7)	92.7	88.1	85.0	83.0	81.6	80.6	79.9
THETA(8)	99.0	94.9	92.3	90.7	89.6	88.9	88.4
THETA(9)	105.5	102.0	99.8	98.6	97.8	97.3	97.0
THETA(10)	112.2	109.2	107.5	106.7	106.2	106.0	105.8
THETA(11)	119.2	116.6	115.4	114.9	114.8	114.7	114.8
THETA(12)	126.4	124.4	123.6	123.4	123.5	123.7	123.8
THETA(13)	134.1	132.5	132.0	132.1	132.4	132.8	133.0
THETA(14)	142.2	141.0	140.9	141.2	141.6	142.0	142.3
THETA(15)	150.9	150.0	150.1	150.5	151.0	151.3	151.6
THETA(16)	160.1	159.6	159.8	160.1	160.5	160.8	161.0
THETA(17)	169.9	169.7	169.8	170.0	170.2	170.4	170.5
THETA(18)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	68.4	43.9	35.0	31.0	28.8	27.4	26.6
BW(1)	126.5	110.6	100.1	93.5	89.1	86.1	84.2

N=11 DB= 50.

BETAO	2.537	2.513	2.199	1.885	1.571	1.257	0.942	0.628
O/LAMBDA	0.404	0.400	0.350	0.300	0.250	0.200	0.150	0.100
ALPHA	0.605	0.581	0.377	0.266	0.194	0.141	0.099	0.063
G	12.38	13.71	29.68	41.99	51.36	58.47	63.72	67.24
G(08)	10.93	11.37	14.72	16.23	17.11	17.67	18.04	18.28
A(1)	3.2293E 00	3.2336E 00	3.7564E 00	4.7591E 00	5.9628E 00	7.1980E 00	8.3242E 00	9.2225E 00
A(2)	6.8792E 00	6.8914E 00	8.6949E 00	1.2686E 01	1.8407E 01	2.5332E 01	3.2576E 01	3.8991E 01
A(3)	1.1170E 01	1.1194E 01	1.4873E 01	2.3738E 01	3.7896E 01	5.6931E 01	7.8739E 01	9.9475E 01
A(4)	1.4690E 01	1.4725E 01	2.0137E 01	3.3807E 01	5.6990E 01	9.0060E 01	1.2998E 02	1.6954E 02
A(5)	1.6055E 01	1.6094E 01	2.2216E 01	3.7513E 01	6.5054E 01	1.0452E 02	1.5298E 02	2.0166E 02
THETAH	32.3	30.5	19.0	15.5	13.9	12.9	12.4	12.0
THETA(1)	59.4	58.4	50.0	45.2	42.2	40.2	38.9	38.0
THETA(2)	61.9	61.1	53.0	48.3	45.3	43.3	42.0	41.1
THETA(3)	65.8	65.0	57.4	52.9	50.0	48.0	46.6	45.7
THETA(4)	70.4	69.6	62.7	58.5	55.7	53.7	52.3	51.4
THETA(5)	75.4	74.8	68.4	64.6	62.0	60.1	58.8	57.9
THETA(6)	80.8	80.2	74.5	71.0	68.7	67.0	65.8	64.9
THETA(7)	86.4	85.8	80.7	77.6	75.6	74.1	73.0	72.3
THETA(8)	92.0	91.5	87.0	84.4	82.6	81.4	80.6	80.0
THETA(9)	97.8	97.4	93.4	91.2	89.8	88.9	88.2	87.8
THETA(10)	103.8	103.4	99.9	98.1	97.1	96.4	96.0	95.8
THETA(11)	109.9	109.5	106.5	105.2	104.5	104.1	103.9	103.8
THETA(12)	116.2	115.8	113.3	112.4	112.0	111.9	112.0	112.0
THETA(13)	122.7	122.4	120.3	119.8	119.7	119.9	120.1	120.3
THETA(14)	129.5	129.3	127.6	127.4	127.6	128.0	128.4	128.6
THETA(15)	136.7	136.5	135.3	135.3	135.8	136.3	136.7	137.1
THETA(16)	144.3	144.2	143.3	143.6	144.2	144.7	145.2	145.6
THETA(17)	152.5	152.4	151.9	152.2	152.8	153.4	153.8	154.1
THETA(18)	161.2	161.1	160.9	161.2	161.7	162.1	162.5	162.7
THETA(19)	170.4	170.4	170.3	170.5	170.8	171.0	171.2	171.4
THETA(20)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	64.5	61.0	37.9	31.0	27.7	25.9	24.7	24.0
BW(1)	118.7	116.9	100.0	90.5	84.5	80.5	77.8	76.1

N=12 DB= 50.

BETAO	2.586	2.513	2.199	1.885	1.571	1.257	0.942
O/LAMBDA	0.411	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.556	0.490	0.316	0.223	0.162	0.118	0.083
G	13.74	18.66	37.34	51.55	62.40	70.65	76.75
G(08)	11.38	12.71	15.72	17.12	17.95	18.49	18.85
A(1)	3.0579E 00	3.0958E 00	3.8114E 00	4.9979E 00	6.3879E 00	7.8032E 00	9.0895E 00
A(2)	6.4582E 00	6.5809E 00	9.0939E 00	1.4081E 01	2.1226E 01	2.9945E 01	3.9133E 01
A(3)	1.0663E 01	1.0911E 01	1.6259E 01	2.8116E 01	4.7434E 01	7.4039E 01	1.0511E 02
A(4)	1.4582E 01	1.4960E 01	2.3354E 01	4.3255E 01	7.8342E 01	1.3045E 02	1.9543E 02
A(5)	1.6960E 01	1.7422E 01	2.7810E 01	5.3242E 01	9.9804E 01	1.7153E 02	2.6385E 02
THETAH	30.6	25.6	16.7	13.9	12.5	11.7	11.2
THETA(1)	56.1	53.3	45.6	41.2	38.5	36.7	35.5
THETA(2)	58.5	55.9	48.4	44.1	41.4	39.5	38.3
THETA(3)	62.1	59.6	52.6	48.4	45.7	43.8	42.5
THETA(4)	66.4	64.1	57.6	53.6	50.9	49.1	47.8
THETA(5)	71.1	69.0	63.0	59.3	56.8	55.0	53.7
THETA(6)	76.0	74.1	68.7	65.3	63.0	61.3	60.1
THETA(7)	81.1	79.4	74.5	71.5	69.4	67.9	66.8
THETA(8)	86.3	84.8	80.3	77.7	75.9	74.6	73.7
THETA(9)	91.6	90.2	86.3	84.0	82.5	81.4	80.7
THETA(10)	96.9	95.7	92.2	90.4	89.2	88.4	87.8
THETA(11)	102.4	101.2	98.3	96.8	95.9	95.4	95.0
THETA(12)	108.0	106.9	104.4	103.3	102.8	102.5	102.3
THETA(13)	113.7	112.8	110.7	109.9	109.7	109.7	109.7
THETA(14)	119.6	118.8	117.1	116.7	116.7	117.0	117.2
THETA(15)	125.7	125.0	123.7	123.6	124.0	124.4	124.8
THETA(16)	132.2	131.6	130.6	130.8	131.4	131.9	132.4
THETA(17)	138.9	138.4	137.9	138.3	139.0	139.6	140.2
THETA(18)	146.2	145.8	145.5	146.1	146.8	147.5	148.0
THETA(19)	153.9	153.6	153.5	154.2	154.8	155.4	155.9
THETA(20)	162.2	162.0	162.0	162.6	163.1	163.6	163.9
THETA(21)	170.9	170.8	170.9	171.2	171.5	171.8	171.9
THETA(22)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	61.1	51.2	33.4	27.8	25.1	23.5	22.5
BW(1)	112.2	106.7	91.2	82.5	77.0	73.4	70.9

N=13 08= 50.

8ETA0	2.628	2.513	2.199	1.885	1.571	1.257	0.942
D/LAM80A	0.418	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.514	0.418	0.269	0.189	0.138	0.100	0.070
G	15.11	24.33	45.81	62.05	74.49	83.99	91.03
G(08)	11.79	13.86	16.61	17.93	18.72	19.24	19.59
A(1)	2.8938E 00	2.9943E 00	3.8887E 00	5.2512E 00	6.8226E 00	8.4145E 00	9.8583E 00
A(2)	6.0340E 00	6.3565E 00	9.5594E 00	1.5592E 01	2.4278E 01	3.4966E 01	4.6303E 01
A(3)	1.0047E 01	1.0712E 01	1.7781E 01	3.3020E 01	5.8439E 01	9.4233E 01	1.3675E 02
A(4)	1.4110E 01	1.5162E 01	2.6854E 01	5.4348E 01	1.0484E 02	1.8264E 02	2.8245E 02
A(5)	1.7157E 01	1.8519E 01	3.4037E 01	7.2373E 01	1.4675E 02	2.6747E 02	4.2944E 02
A(6)	1.8290E 01	1.977CE 01	3.6778E 01	7.9474E 01	1.6380E 02	3.0302E 02	4.9259E 02
THETAH	29.1	22.0	15.0	12.6	11.5	10.8	10.3
THETA(1)	53.3	49.0	41.9	37.9	35.4	33.7	32.6
THETA(2)	55.6	51.5	44.6	40.6	38.0	36.3	35.2
THETA(3)	58.9	55.1	48.5	44.6	42.0	40.3	39.1
THETA(4)	62.9	59.4	53.2	49.5	46.9	45.1	43.9
THETA(5)	67.3	64.1	58.4	54.8	52.4	50.6	49.4
THETA(6)	72.0	69.0	63.8	60.5	58.2	56.5	55.3
THETA(7)	76.7	74.0	69.2	66.3	64.1	62.6	61.5
THETA(8)	81.5	79.0	74.7	72.1	70.2	68.8	67.8
THETA(9)	86.4	84.1	80.3	78.0	76.4	75.2	74.3
THETA(10)	91.3	89.2	85.8	83.9	82.5	81.6	80.9
THETA(11)	96.2	94.4	91.4	89.8	88.8	88.0	87.6
THETA(12)	101.3	99.6	97.0	95.8	95.0	94.6	94.3
THETA(13)	106.4	104.9	102.7	101.8	101.4	101.1	101.0
THETA(14)	111.6	110.3	108.5	107.9	107.8	107.8	107.9
THETA(15)	117.0	115.8	114.4	114.2	114.3	114.5	114.8
THETA(16)	122.6	121.5	120.5	120.5	120.9	121.3	121.7
THETA(17)	128.4	127.5	126.8	127.1	127.7	128.3	128.8
THETA(18)	134.5	133.7	133.3	133.9	134.6	135.3	135.9
THETA(19)	140.9	140.3	140.2	140.9	141.8	142.5	143.1
THETA(20)	147.8	147.3	147.4	148.2	149.1	149.8	150.4
THETA(21)	155.1	154.8	155.1	155.8	156.6	157.2	157.7
THETA(22)	163.0	162.8	163.1	163.7	164.3	164.8	165.1
THETA(23)	171.3	171.2	171.4	171.8	172.1	172.4	172.5
THETA(24)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
8W(H)	58.2	43.9	29.9	25.3	22.9	21.5	20.6
8W(1)	106.5	98.0	83.8	75.8	70.7	67.4	65.2

N=14 08= 50.

8ETA0	2.665	2.513	2.199	1.885	1.571	1.257	0.942
D/LAM80A	0.424	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.477	0.359	0.231	0.162	0.118	0.086	0.060
G	16.49	30.68	55.07	73.49	87.65	98.50	106.53
G(08)	12.17	14.87	17.41	18.66	19.43	19.93	20.27
A(1)	2.7396E 00	2.9234E 00	3.9844E 00	5.5168E 00	7.2656E 00	9.0311E 00	1.0630E 01
A(2)	5.6263E 00	6.2105E 00	1.0090E 01	1.7223E 01	2.7569E 01	4.0401E 01	5.4091E 01
A(3)	9.3957E 00	1.0614E 01	1.9467E 01	3.8510E 01	7.1045E 01	1.1780F 02	1.7415E 02
A(4)	1.3433E 01	1.5417E 01	3.0725E 01	6.7333E 01	1.3730E 02	2.4874E 02	3.9532E 02
A(5)	1.6868E 01	1.9552E 01	4.1063E 01	9.6031E 01	2.0879E 02	4.0062E 02	6.6752E 02
A(6)	1.8847E 01	2.1953E 01	4.7291E 01	1.1415E 02	2.561CE 02	5.0547E 02	8.6216E 02
THETAH	27.9	19.2	13.6	11.6	10.6	9.9	9.5
THETA(1)	50.8	45.3	38.7	35.0	32.7	31.2	30.1
THETA(2)	53.0	47.7	41.3	37.6	35.2	33.6	32.5
THETA(3)	56.2	51.2	45.0	41.4	38.9	37.3	36.1
THETA(4)	60.0	55.4	49.5	45.9	43.5	41.8	40.6
THETA(5)	64.1	59.9	54.4	51.0	48.6	46.9	45.7
THETA(6)	68.5	64.6	59.5	56.3	54.0	52.4	51.2
THETA(7)	72.9	69.3	64.7	61.8	59.6	58.1	57.0
THETA(8)	77.4	74.1	69.9	67.3	65.3	63.9	62.9
THETA(9)	81.9	78.9	75.1	72.8	71.1	69.8	68.9
THETA(10)	86.5	83.7	80.4	78.3	76.8	75.8	75.0
THETA(11)	91.0	88.5	85.6	83.8	82.6	81.8	81.2
THETA(12)	95.7	93.4	90.8	89.4	88.5	87.8	87.4
THETA(13)	100.3	98.2	96.0	94.9	94.3	93.9	93.7
THETA(14)	105.0	103.2	101.3	100.6	100.2	100.0	100.0
THETA(15)	109.9	108.2	106.7	106.3	106.2	106.2	106.3
THETA(16)	114.8	113.3	112.2	112.0	112.2	112.5	112.7
THETA(17)	119.9	118.6	117.8	117.9	118.3	118.8	119.2
THETA(18)	125.2	124.1	123.6	124.0	124.6	125.2	125.7
THETA(19)	130.7	129.7	129.6	130.2	131.0	131.7	132.3
THETA(20)	136.5	135.7	135.8	136.6	137.5	138.3	139.0
THETA(21)	142,6	142.0	142.3	143.3	144.2	145.C	145.7
THETA(22)	149.2	148.7	149.2	150.2	151.1	151.9	152.4
THETA(23)	156.2	155.9	156.5	157.4	158.2	158.8	159.3
THETA(24)	163.7	163.5	164.0	164.7	165.4	165.8	166.2
THETA(25)	171.7	171.6	171.9	172.3	172.6	172.9	173.1
THETA(26)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
8W(H)	55.7	38.4	27.2	23.2	21.1	19.9	19.1
8W(1)	101.7	90.7	77.5	70.1	65.4	62.3	60.2

N=15 08= 50.

BETA0	2.696	2.513	2.199	1.885	1.571	1.257	0.942
D/LAMBDA	0.429	0.400	0.350	0.300	0.250	0.200	0.150
ALPHA	0.446	0.313	0.201	0.141	0.103	0.075	0.052
G	17.88	37.68	65.12	85.86	101.87	114.17	120.59
G(08)	12.52	15.76	18.14	19.34	20.08	20.58	20.81
A(1)	2.5964E 00	2.8776E 00	4.0954E 00	5.7526E 00	7.7154E 00	9.6521E 00	1.1404E 01
A(2)	5.2446E 00	6.1314E 00	1.0685E 01	1.8575E 01	3.1101E 01	4.6252E 01	6.2499E 01
A(3)	8.7508E 00	1.0617E 01	2.1332E 01	4.4635E 01	8.5384E 01	1.4501E 02	2.1782E 02
A(4)	1.2659E 01	1.5766E 01	3.5038E 01	8.2465E 01	1.7659E 02	3.3107F 02	5.3871E 02
A(5)	1.6271E 01	2.0624E 01	4.9050E 01	1.2503E 02	2.8925E 02	5.8070F 02	9.9935E 02
A(6)	1.8832E 01	2.4113E 01	5.9644E 01	1.5924E 02	3.8543E 02	8.0561E 02	1.4332E 03
A(7)	1.9758E 01	2.5383E 01	6.3598E 01	1.7241E 02	4.2355E 02	8.9712F 02	1.6136E 03
THETAH	26.7	17.1	12.4	10.7	9.8	9.2	8.9
THETA(1)	48.7	42.2	36.0	32.6	30.4	29.0	28.0
THETA(2)	50.7	44.5	38.4	35.0	32.7	31.2	30.2
THETA(3)	53.8	47.9	42.0	38.5	36.2	34.7	33.6
THETA(4)	57.4	51.9	46.3	42.9	40.5	38.9	37.8
THETA(5)	61.3	56.2	51.0	47.6	45.3	43.7	42.6
THETA(6)	65.4	60.7	55.8	52.7	50.4	48.8	47.7
THETA(7)	69.6	65.3	60.8	57.8	55.7	54.2	53.0
THETA(8)	73.8	69.9	65.7	63.0	61.1	59.6	58.6
THETA(9)	78.1	74.4	70.7	68.3	66.5	65.2	64.2
THETA(10)	82.3	79.0	75.6	73.5	71.9	70.8	69.9
THETA(11)	86.6	83.5	80.5	78.7	77.4	76.4	75.7
THETA(12)	90.9	88.0	85.4	83.9	82.8	82.0	81.5
THETA(13)	95.2	92.6	90.3	89.1	88.3	87.7	87.3
THETA(14)	99.5	97.1	95.2	94.3	93.7	93.4	93.2
THETA(15)	103.9	101.8	100.2	99.5	99.3	99.1	99.1
THETA(16)	108.4	106.5	105.2	104.9	104.8	104.9	105.0
THETA(17)	112.9	111.2	110.3	110.2	110.4	110.7	111.0
THETA(18)	117.6	116.1	115.5	115.7	116.2	116.6	117.0
THETA(19)	122.5	121.2	120.9	121.3	122.0	122.6	123.1
THETA(20)	127.5	126.4	126.4	127.1	127.9	128.6	129.2
THETA(21)	132.7	131.8	132.1	133.0	133.9	134.7	135.4
THETA(22)	138.3	137.6	138.1	139.1	140.1	141.0	141.6
THETA(23)	144.1	143.6	144.3	145.4	146.4	147.3	147.9
THETA(24)	150.4	150.0	150.8	151.9	152.9	153.7	154.3
THETA(25)	157.1	156.9	157.7	158.7	159.5	160.2	160.7
THETA(26)	164.4	164.3	164.9	165.7	166.3	166.7	167.1
THETA(27)	172.0	172.0	172.4	172.8	173.1	173.4	173.5
THETA(28)	180.0	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	53.5	34.2	24.9	21.4	19.5	18.4	17.7
BW(1)	97.4	84.3	72.0	65.1	60.8	57.9	56.0

N=20 08= 50.

BETAD	2.808	2.513	2.199	1.885	1.571
D/LAMBDA	0.447	0.400	0.350	0.300	0.250
ALPHA	0.334	0.174	0.111	0.078	0.057
G	24.90	81.76	126.86	161.58	188.80
G(08)	13.96	19.13	21.03	22.08	22.76
A(1)	2.0315E 00	2.8935E 00	4.8003E 00	7.2751E 00	1.0037E 01
A(2)	3.7692E 00	6.4201E 00	1.4503E 01	2.9560E 01	5.2450E 01
A(3)	6.1026E 00	1.1855E 01	3.3716E 01	8.6391E 01	1.8758E 02
A(4)	8.9324E 00	1.9190E 01	6.5197E 01	2.0000E 02	5.1085E 02
A(5)	1.2050E 01	2.7974E 01	1.0907E 02	3.8526E 02	1.1196E 03
A(6)	1.5158F 01	3.7313E 01	1.6150E 02	6.3543E 02	2.0402E 03
A(7)	1.7911E 01	4.5991E 01	2.1468E 02	9.1344E 02	3.1544F 03
A(8)	1.9973E 01	5.2711E 01	2.5843E 02	1.1572E 03	4.1915E 03
A(9)	2.1078F 01	5.6382E 01	2.8319E 02	1.3005E 03	4.8231E 03
THETAH	22.6	11.2	8.8	7.8	7.2
THETA(1)	40.9	31.2	26.6	24.1	22.5
THETA(2)	42.6	33.2	28.6	25.9	24.3
THETA(3)	45.1	36.0	31.4	28.7	26.9
THETA(4)	48.0	39.5	34.9	32.1	30.2
THETA(5)	51.2	43.2	38.7	35.8	33.9
THETA(6)	54.5	47.0	42.7	39.8	37.8
THETA(7)	57.9	50.9	46.7	43.9	41.9
THETA(8)	61.3	54.7	50.8	48.1	46.1
THETA(9)	64.6	58.5	54.8	52.2	50.3
THETA(10)	67.9	62.2	58.8	56.4	54.5
THETA(11)	71.2	65.8	62.7	60.5	58.8
THETA(12)	74.4	69.5	66.6	64.5	63.0
THETA(13)	77.7	73.0	70.4	68.6	67.2
THETA(14)	80.9	76.6	74.2	72.6	71.3
THETA(15)	84.1	80.1	78.0	76.6	75.5
THETA(16)	87.2	83.5	81.7	80.5	79.6
THETA(17)	90.4	87.0	85.4	84.5	83.8
THETA(18)	93.6	90.5	89.2	88.4	87.9
THETA(19)	96.8	94.0	92.9	92.4	92.1
THETA(20)	100.0	97.4	96.6	96.3	96.2
THETA(21)	103.3	101.0	100.4	100.3	100.4
THETA(22)	106.6	104.5	104.2	104.3	104.6
THETA(23)	109.9	108.1	108.0	108.4	108.8
THETA(24)	113.3	111.7	111.9	112.5	113.1
THETA(25)	116.8	115.5	115.9	116.6	117.4
THETA(26)	120.4	119.3	119.9	120.8	121.8
THETA(27)	124.0	123.2	124.0	125.1	126.2
THETA(28)	127.8	127.2	128.3	129.5	130.7
THETA(29)	131.8	131.4	132.6	134.0	135.3
THETA(30)	135.9	135.7	137.2	138.7	139.9
THETA(31)	140.2	140.3	141.8	143.4	144.7
THETA(32)	144.8	145.1	146.7	148.3	149.5
THETA(33)	149.7	150.1	151.8	153.3	154.4
THETA(34)	155.0	155.5	157.1	158.4	159.4
THETA(35)	160.6	161.2	162.6	163.7	164.5
THETA(36)	166.7	167.2	168.3	169.1	169.6
THETA(37)	173.2	173.5	174.1	174.5	174.8
THETA(38)	180.0	180.0	180.0	180.0	180.0
BW(H)	45.2	22.4	17.6	15.5	14.3
BW(1)	81.8	62.4	53.3	48.2	45.0

N=25 08= 50.

BETAD	2.876	2.827	2.513	2.199	1.885	1.571
D/LAMBDA	0.457	0.450	0.400	0.350	0.300	0.250
ALPHA	0.266	0.224	0.110	0.070	0.049	0.036
G	31.98	48.79	140.19	207.55	260.28	343.24
G(D8)	15.05	16.88	21.47	23.17	24.15	25.36
A(1)	1.6531E 00	1.6981E 00	3.1223E 00	5.6428E 00	8.8564E 00	1.2428E 01
A(2)	2.8486E 00	2.9597E 00	7.3875E 00	1.9573E 01	4.3172E 01	8.0002E 01
A(3)	4.4270E 00	4.6396E 00	1.4593E 01	5.1933E 01	1.5060E 02	3.5220E 02
A(4)	6.3699E 00	6.7219E 00	2.5402E 01	1.1456E 02	4.1603E 02	1.1838E 03
A(5)	8.6154E 00	9.1419E 00	4.0075E 01	2.1926E 02	9.5919E 02	3.2190E 03
A(6)	1.1057E 01	1.1786E 01	5.8280E 01	3.7334E 02	1.9044E 03	7.3346E 03
A(7)	1.3551E 01	1.4496E 01	7.8988E 01	5.7479E 02	3.3224E 03	1.4328E 04
A(8)	1.5928E 01	1.7089E 01	1.0051E 02	8.0889E 02	5.1633E 03	2.4372E 04
A(9)	1.8614E 01	1.9368E 01	1.2069E 02	1.0483E 03	7.2158E 03	3.6494E 04
A(10)	1.9642E 01	2.1150E 01	1.3723E 02	1.2574E 03	9.1268E 03	4.8459E 04
A(11)	2.0678E 01	2.2285E 01	1.4810E 02	1.4007E 03	1.0492E 04	5.7343E 04
A(12)	2.1033E 01	2.2674E 01	1.5189E 02	1.4517E 03	1.0988E 04	6.0634E 04
THETAH	19.9	15.6	8.4	6.8	6.1	5.6
THETA(1)	35.9	33.3	24.7	21.1	19.1	17.8
THETA(2)	37.4	34.9	26.4	22.7	20.6	19.2
THETA(3)	39.5	37.1	28.9	25.1	22.8	21.4
THETA(4)	42.1	39.9	31.9	28.0	25.6	24.0
THETA(5)	44.8	42.8	35.1	31.2	28.7	27.0
THETA(6)	47.7	45.7	38.5	34.5	32.0	30.2
THETA(7)	50.6	48.8	41.9	38.0	35.4	33.6
THETA(8)	53.4	51.7	45.2	41.4	38.8	37.0
THETA(9)	56.3	54.7	48.5	44.9	42.3	40.5
THETA(10)	59.1	57.6	51.7	48.3	45.8	43.9
THETA(11)	61.8	60.4	54.9	51.6	49.2	47.4
THETA(12)	64.5	63.2	58.0	54.9	52.6	50.9
THETA(13)	67.2	65.9	61.1	58.2	56.0	54.4
THETA(14)	69.9	68.6	64.1	61.4	59.4	57.8
THETA(15)	72.5	71.3	67.1	64.6	62.7	61.2
THETA(16)	75.1	74.0	70.0	67.7	66.0	64.6
THETA(17)	77.6	76.6	72.9	70.8	69.2	68.0
THETA(18)	80.2	79.2	75.7	73.8	72.4	71.4
THETA(19)	82.7	81.7	78.5	76.9	75.6	74.7
THETA(20)	85.2	84.3	81.4	79.9	78.8	78.0
THETA(21)	87.7	86.9	84.1	82.9	82.0	81.4
THETA(22)	90.3	89.4	86.9	85.9	85.2	84.7
THETA(23)	92.8	92.0	89.7	88.8	88.3	88.0
THETA(24)	95.3	94.6	92.5	91.8	91.5	91.3
THETA(25)	97.8	97.1	95.3	94.8	94.7	94.6
THETA(26)	100.4	99.7	98.1	97.8	97.8	97.9
THETA(27)	102.9	102.3	100.9	100.8	101.0	101.3
THETA(28)	105.5	104.9	103.7	103.9	104.2	104.6
THETA(29)	108.2	107.6	106.6	106.9	107.5	108.0
THETA(30)	110.8	110.3	109.5	110.0	110.7	111.4
THETA(31)	113.5	113.0	112.5	113.1	114.0	114.8
THETA(32)	116.3	115.8	115.4	116.3	117.3	118.3
THETA(33)	119.1	118.6	118.5	119.6	120.7	121.8
THETA(34)	121.9	121.5	121.6	122.8	124.2	125.3
THETA(35)	124.9	124.5	124.8	126.2	127.7	128.9
THETA(36)	127.9	127.6	128.1	129.7	131.2	132.5
THETA(37)	131.1	130.8	131.5	133.2	134.8	136.2
THETA(38)	134.3	134.0	135.0	136.8	138.5	140.0
THETA(39)	137.7	137.5	138.6	140.6	142.3	143.7
THETA(40)	141.3	141.1	142.4	144.4	146.2	147.6
THETA(41)	145.1	144.9	146.3	148.4	150.2	151.5
THETA(42)	149.1	148.9	150.5	152.5	154.2	155.4
THETA(43)	153.3	153.2	154.8	156.8	158.3	159.4
THETA(44)	158.0	157.9	159.5	161.2	162.6	163.5
THETA(45)	162.9	162.9	164.3	165.8	166.8	167.6
THETA(46)	168.3	168.3	169.4	170.5	171.2	171.7
THETA(47)	174.0	174.0	174.6	175.2	175.6	175.8
THETA(48)	180.0	180.0	180.0	180.0	180.0	180.0
BW(H)	39.8	31.2	16.8	13.7	12.2	11.3
BW(1)	71.8	66.6	49.4	42.2	38.2	35.7

N=30 08= 50.

BETA0	2.921	2.827	2.513	2.199	1.885
O/LAMBDA	0.465	0.450	0.400	0.350	0.300
ALPHA	0.221	0.154	0.075	0.048	0.034
G	39.10	86.26	212.53	307.03	376.23
G(08)	15.92	19.36	23.27	24.87	25.75
A(1)	1.3884E 00	1.5638E 00	3.4451E 00	6.5514E 00	1.0487E 01
A(2)	2.2525E 00	2.6602E 00	8.7656E 00	2.5792E 01	5.9790E 01
A(3)	3.3684E 00	4.1269E 00	1.8539E 01	7.6987E 01	2.4245E 02
A(4)	4.7367E 00	5.9790E 00	3.4521E 01	1.9033E 02	7.7650E 02
A(5)	6.3390E 00	8.202CE 00	5.8318E 01	4.0780E 02	2.0749E 03
A(6)	8.1360E 00	1.0748E 01	9.1007E 01	7.7794E 02	4.7812E 03
A(7)	1.0069E 01	1.3535E 01	1.3274E 02	1.3447E 03	9.7096E 03
A(8)	1.2060E 01	1.6450E 01	1.8245E 02	2.1318E 03	1.7641E 04
A(9)	1.4021E 01	1.9357E 01	2.3769E 02	3.1264E 03	2.8986E 04
A(10)	1.5855E 01	2.2104E 01	2.9475E 02	4.2682E 03	4.3415E 04
A(11)	1.7464E 01	2.4534E 01	3.4897E 02	5.4492E 03	5.9617E 04
A(12)	1.8761E 01	2.6505E 01	3.9538E 02	6.5276E 03	7.5374E 04
A(13)	1.9670E 01	2.7892E 01	4.2935E 02	7.3538E 03	8.7994E 04
A(14)	2.0139E 01	2.8610E 01	4.4731E 02	7.8025E 03	9.5033E 04
THETAH	18.0	11.3	6.8	5.6	5.0
THETA(1)	32.4	27.6	20.5	17.5	15.8
THETA(2)	33.7	29.1	21.9	18.8	17.1
THETA(3)	35.6	31.2	24.1	20.8	18.9
THETA(4)	37.9	33.7	26.7	23.3	21.3
THETA(5)	40.4	36.4	29.6	26.1	23.9
THETA(6)	42.9	39.2	32.6	29.0	26.7
THETA(7)	45.5	42.0	35.6	32.0	29.6
THETA(8)	48.0	44.7	38.6	35.0	32.6
THETA(9)	50.5	47.4	41.6	38.0	35.5
THETA(10)	53.0	50.0	44.5	41.0	38.5
THETA(11)	55.4	52.6	47.3	43.9	41.5
THETA(12)	57.8	55.1	50.1	46.9	44.5
THETA(13)	60.1	57.6	52.8	49.7	47.4
THETA(14)	62.4	60.0	55.5	52.5	50.3
THETA(15)	64.6	62.4	58.1	55.3	53.2
THETA(16)	66.9	64.7	60.7	58.0	56.0
THETA(17)	69.1	67.0	63.2	60.7	58.8
THETA(18)	71.3	69.3	65.7	63.4	61.6
THETA(19)	73.4	71.5	68.2	66.0	64.4
THETA(20)	75.6	73.7	70.6	68.6	67.1
THETA(21)	77.7	75.9	73.0	71.2	69.8
THETA(22)	79.8	78.1	75.4	73.8	72.5
THETA(23)	81.9	80.3	77.7	76.3	75.2
THETA(24)	84.0	82.4	80.1	78.8	77.8
THETA(25)	86.0	84.6	82.4	81.3	80.5
THETA(26)	88.1	86.7	84.8	83.8	83.1
THETA(27)	90.2	88.9	87.1	86.3	85.8
THETA(28)	92.3	91.0	89.4	88.8	88.4
THETA(29)	94.3	93.1	91.7	91.3	91.0
THETA(30)	96.4	95.3	94.0	93.7	93.7
THETA(31)	98.5	97.4	96.4	96.2	96.3
THETA(32)	100.6	99.6	98.7	98.7	98.9
THETA(33)	102.7	101.8	101.1	101.2	101.6
THETA(34)	104.9	103.9	103.4	103.8	104.3
THETA(35)	107.0	106.1	105.8	106.3	107.0
THETA(36)	109.2	108.4	108.2	108.9	109.7
THETA(37)	111.4	110.6	110.6	111.5	112.4
THETA(38)	113.6	112.9	113.1	114.1	115.1
THETA(39)	115.9	115.2	115.6	116.7	117.9
THETA(40)	118.2	117.6	118.1	119.4	120.7
THETA(41)	120.5	120.0	120.7	122.2	123.6
THETA(42)	122.9	122.4	123.4	125.0	126.5
THETA(43)	125.4	125.0	126.0	127.8	129.4
THETA(44)	127.9	127.5	128.8	130.7	132.4
THETA(45)	130.5	130.2	131.6	133.7	135.4
THETA(46)	133.2	132.9	134.6	136.7	138.5
THETA(47)	136.0	135.8	137.6	139.8	141.7
THETA(48)	138.9	138.7	140.7	143.0	144.9
THETA(49)	141.9	141.8	143.9	146.3	148.2
THETA(50)	145.1	145.1	147.3	149.7	151.5
THETA(51)	148.5	148.5	150.8	153.1	154.9
THETA(52)	152.1	152.1	154.5	156.7	158.3
THETA(53)	155.9	156.0	158.3	160.4	161.8
THETA(54)	160.1	160.2	162.4	164.2	165.4
THETA(55)	164.6	164.7	166.6	168.0	169.0
THETA(56)	169.4	169.6	171.0	172.0	172.6
THETA(57)	174.6	174.7	175.4	176.0	176.3
THETA(58)	180.0	180.0	180.0	180.0	180.0
BW(H)	36.0	22.5	13.6	11.2	10.0
BW(1)	64.8	55.2	41.0	35.0	31.6

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